

## UPPER ANIMAS DATA

Lab Name	Lab. Sample	Lab Job #	BASIN	NEW SITE	STRM_DESCR	NEW SITE	OLD SITE D
Lab. Design	Lab. Project	Report I.	D.				
CDPHE			UA	14th St. G	Animas Gaging Stn	A68	A68
CDPHE			UA	14th St. G	Animas Gaging Stn	A68	A68
CDPHE			UA	14th St. G	Animas Gaging Stn	A68	A68
CDPHE			UA	14th St. G	Animas Gaging Stn	A68	A68
CDPHE			UA	14th St. G	Animas Gaging Stn	A68	A68
CADOW			UA	14th St. G	13th St Br	A68	A68
CADOW			UA	14th St. G	13th St Br	A68	A68
CADOW			UA	14th St. G	13th St Br	A68	A68
CADOW			UA	14th St. G	13th St Br	A68	A68
CADOW			UA	14th St. G	13th St Br	A68	A68
CADOW			UA	14th St. G	13th St Br	A68	A68
CADOW			UA	14th St. G	13th St Br	A68	A68
CADOW			UA	14th St. G	13th St Br	A68	A68
CADOW			UA	14th St. G	13th St Br	A68	A68
CADOW			UA	14th St. G	13th St Br	A68	A68
CADOW			UA	14th St. G	13th St Br	A68	A68
CADOW			UA	14th St. G	13th St Br	A68	A68
CADOW			UA	14th St. G	13th St Br	A68	A68
CADOW			UA	14th St. G	13th St Br	A68	A68
CADOW			UA	14th St. G	13th St Br	A68	A68
CDPHE			UA	14th St. G	Animas Gaging Stn	A68	A68
CDPHE			UA	14th St. G	Animas Gaging Stn	A68	A68
CDPHE			UA	14th St. G	Animas Gaging Stn	A68	A68
CADOW			UA	14th St. G	13th St Br	A68	A68
CADOW			UA	14th St. G	13th St Br	A68	A68
CADOW			UA	14th St. G	13th St Br	A68	A68
CADOW			UA	14th St. G	13th St Br	A68	A68
CADOW			UA	14th St. G	13th St Br	A68	A68
CADOW	103.023		UA	14th St. Gauge		A68	
CADOW			UA	14th St. G	13th St Br	A68	A68
CADOW			UA	14th St. G	13th St Br	A68	A68
CDPHE			UA	14th St. G	Animas Gaging Stn	A68	A68
CDPHE			UA	14th St. G	Animas Gaging Stn	A68	A68
CADOW			UA	14th St. G	13th St Br	A68	A68
CADOW			UA	14th St. G	13th St Br	A68	A68
CADOW			UA	14th St. G	13th St Br	A68	A68
CADOW			UA	14th St. G	13th St Br	A68	A68
CADOW			UA	14th St. G	13th St Br	A68	A68
CADOW			UA	14th St. G	13th St Br	A68	A68
CADOW			UA	14th St. G	13th St Br	A68	A68
CADOW			UA	14th St. G	13th St Bridge	A68	A68
CADOW			UA	14th St. G	13th St Bridge	A68	A68



CDOW		UA	14th St. G 13th St Bridge	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	A68
		UA	14th St. G 13th St Bridge	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	A68
CDOW	103.09	UA	14th St. Gauge	A68	
CDOW		UA	14th St. G 13th St Bridge	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	A68
		UA	14th St. G 13th St Bridge	A68	A68
CDOW	103.094	UA	14th St. Gauge	A68	
CDOW		UA	14th St. G 13th St Bridge	A68	A68
CDOW	103.096	UA	14th St. Gauge	A68	
		UA	14th St. G 13th St Bridge	A68	A68
CDOW	103.097	UA	14th St. Gauge	A68	
CDOW		UA	14th St. G 13th St Bridge	A68	
CDOW		UA	14th St. G 13th St Bridge	A68	
CDOW		UA	14th St. G 13th St Bridge	A68	
CDOW		UA	14th St. G 13th St Bridge	A68	
CDOW		UA	14th St. G 13th St Bridge	A68	
Acculab		UA	14th St. G Gage above Cement	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	
CDOW		UA	14th St. G 13th St Bridge	A68	
CDOW		UA	14th St. G 13th St Bridge	A68	
CDOW		UA	14th St. G 13th St Bridge	A68	
CDOW		UA	14th St. G 13th St Bridge	A68	
Acculab		UA	14th St. G Gage above Cement	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	
CDOW		UA	14th St. G 13th St Bridge	A68	
CDOW		UA	14th St. G 13th St Bridge	A68	A68
		UA	14th St. G Upper Animas River	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	A68
Acculab		UA	14th St. Gauge	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	A68
Acculab		UA	14th St. Gauge	A68	A68
		UA	14th St. G Upper Animas River	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	A68
EPA		UA	14th St. G Silverton Co.	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	A68
		UA	14th St. G Upper Animas River	A68	A68
CDOW		UA	14th St. G AR0742	A68	
		UA	14th St. G Upper Animas River	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	A68
USGS		UA	14th St. Gauge	A68	
		UA	14th St. G Upper Animas River	A68	A68
Acculab		UA	14th St. G Gaging Station	A68	A68
USGS		UA	14th St. Gauge	A68	

USGS	UA	14th St. Gauge	A68	
	UA	14th St. G Upper Animas River	A68	A68
USGS	UA	14th St. Gauge	A68	
Acculab	UA	14th St. Gauge	A68	A68
CDOW	UA	14th St. G 13th St Bridge	A68	A68
CDOW	UA	14th St. G 13th St Bridge	A68	
USGS	UA	14th St. Gauge	A68	
CDOW	UA	14th St. G 13th St Bridge	A68	
	UA	14th St. G Upper Animas River	A68	A68
CDOW	UA	14th St. G 13th St Bridge	A68	
CDOW	UA	14th St. G AR0742	A68	
USGS	UA	14th St. Gauge	A68	
CDOW	UA	14th St. G 13th St Bridge	A68	
Acculab	UA	14th St. G Gaging Station	A68	A68
USGS	UA	14th St. Gauge	A68	
CDOW	UA	14th St. G 13th St Bridge	A68	
USGS	UA	14th St. Gauge	A68	
CDOW	UA	14th St. G 13th St Bridge	A68	
USGS	UA	14th St. Gauge	A68	
CDOW	UA	14th St. G 13th St Bridge	A68	A68
USGS	UA	14th St. Gauge	A68	
	UA	14th St. G Upper Animas River	A68	A68
CDOW	UA	14th St. G 13th St Bridge	A68	
USGS	UA	14th St. Gauge	A68	
USGS	UA	14th St. Gauge	A68	
CDOW	UA	14th St. G 13th St Bridge	A68	
CDOW	UA	14th St. G 13th St Bridge	A68	
USGS	UA	14th St. Gauge	A68	
USGS	UA	14th St. Gauge	A68	
CDOW	UA	14th St. G 13th St Bridge	A68	
Acculab	UA	14th St. Gauge	A68	A68
USGS	UA	14th St. Gauge	A68	
CDOW	UA	14th St. G 13th St Bridge	A68	
USGS	UA	14th St. Gauge	A68	
USGS	UA	14th St. Gauge	A68	
CDOW	UA	14th St. G 13th St Bridge	A68	
	UA	14th St. G Upper Animas River	A68	A68
Acculab	UA	14th St. Gauge	A68	A68
CDOW	UA	14th St. G AR0742	A68	
CDOW	UA	14th St. G 13th St Bridge	A68	
USGS	UA	14th St. Gauge	A68	
	UA	14th St. G Animas	A68	A68
CDOW	UA	14th St. G 13th St Bridge	A68	
USGS	UA	14th St. G Animas River @ Silver Lake, CO	A68	
Acculab	UA	14th St. Gauge	A68	A68
CDOW	UA	14th St. G 13th St Bridge	A68	
USGS	UA	14th St. G Animas River @ Silver Lake, CO	A68	
	UA	14th St. G Animas	A68	A68
CDOW	UA	14th St. G 13th St Bridge	A68	
USGS	UA	14th St. G Animas River @ Silver Lake, CO	A68	
Acculab	UA	14th St. Gauge	A68	A68
		14th St. G Animas	A68	A68

USGS		UA	14th St. G Animas River @ Silver	A68,CO	
CDOW		UA	14th St. G 13th St Bridge	A68	
Acculab		UA	14th St. Gauge	A68	A68
USGS		UA	14th St. G Animas River @ Silver	A68,CO	
CDOW		UA	14th St. G 13th St Bridge	A68	
CDOW		UA	14th St. G 13th St Bridge	A68	
		UA	14th St. G Animas	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	
USGS		UA	14th St. G Animas River @ Silver	A68,CO	
CDOW		UA	14th St. G 13th St Bridge	A68	
CDOW		UA	14th St. G 13th St Bridge	A68	
USGS		UA	14th St. G Animas River @ Silver	A68,CO	
Acculab		UA	14th St. G Animas @ Silverton	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	
CDOW		UA	14th St. G 13th St Bridge	A68	
CDOW		UA	14th St. G 13th St Bridge	A68	
USGS		UA	14th St. G Animas River @ Silver	A68,CO	
USGS		UA	14th St. G Animas River @ Silver	A68,CO	
CDOW		UA	14th St. G 13th St Bridge	A68	
USGS		UA	14th St. G Animas River @ Silver	A68,CO	
CDOW	103.147	UA	14th St. Gauge	A68	
		UA	14th St. G Animas	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	
CDOW	103.148	UA	14th St. Gauge	A68	
CDOW		UA	14th St. G 13th St Bridge	A68	
USGS		UA	14th St. G Animas River @ Silver	A68,CO	
Acculab		UA	14th St. G Animas abv Silvertn	A68	A68
USGS		UA	14th St. G Animas River @ Silver	A68,CO	
CDOW		UA	14th St. G 13th St Bridge	A68	
CDOW		UA	14th St. G 13th St Bridge	A68	
USGS		UA	14th St. G Animas River @ Silver	A68,CO	
		UA	14th St. G Animas	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	
EPA		UA	14th St. G Animas above Cement Creek	A68	
Acculab		UA	14th St. G Animas abv Cement	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	
USGS		UA	14th St. G Animas River @ Silver	A68,CO	
		UA	14th St. G Animas	A68	A68
Acculab		UA	14th St. G Animas abv Silvertn	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	
		UA	14th St. G Animas	A68	A68
Acculab		UA	14th St. G Animas abv Silvertn	A68	A68
Acculab		UA	14th St. Gauge	A68	A68
		UA	14th St. G Animas	A68	A68
USGS		UA	14th St. G Animas River @ Silver	A68,CO	
CDOW	103.158	UA	14th St. Gauge 13th St Br	A68	
Acculab		UA	14th St. Gauge	A68	A68
CDOW	103.159	UA	14th St. Gauge 13th St Br	A68	
CDOW	103.160	UA	14th St. Gauge 13th St Br	A68	
		UA	14th St. G Animas	A68	A68
CDOW	103.161	UA	14th St. Gauge 13th St Br	A68	
USGS		UA	14th St. G Animas River @ Silver	A68,CO	

Acculab		UA	14th St. Gauge	A68	A68
		UA	14th St. Gauge	A68	A68
EPA		UA	14th St. Gauge	A68	A68
		UA	14th St. Gauge	A68	A68
Acculab	99-A16493	UA	14th St. Gauge	A68	A68
Acculab		UA	14th St. Gauge	A68	A68
USGS		UA	14th St. Gauge	A68	A68
Acculab		UA	14th St. Gauge	A68	A68
CDOW	103.162	UA	14th St. Gauge	A68	A68
IML		UA	14th St. Gauge	A68	A68
CDOW	103.163	UA	14th St. Gauge	A68	A68
Acculab		UA	14th St. Gauge	A68	A68
CDOW	103.164	UA	14th St. Gauge	A68	A68
IML		UA	14th St. Gauge	A68	A68
Acculab	00-A232	UA	14th St. Gauge	A68	A68
IML		UA	14th St. Gauge	A68	A68
CDOW	103.165	UA	14th St. Gauge	A68	A68
Acculab	00-A3553	UA	14th St. Gauge	A68	A68
CDOW	103.166	UA	14th St. Gauge	A68	A68
IML		UA	14th St. Gauge	A68	A68
Acculab	00-A7605	UA	14th St. Gauge	A68	A68
IML		UA	14th St. Gauge	A68	A68
Acculab	00-A12138	UA	14th St. Gauge	A68	A68
IML		UA	14th St. Gauge	A68	A68
Acculab	00-A16900	UA	14th St. Gauge	A68	A68
IML		UA	14th St. Gauge	A68	A68
Acculab	00-A20882	UA	14th St. Gauge	A68	A68
IML		UA	14th St. Gauge	A68	A68
Acculab	01-A250	UA	14th St. Gauge	A68	A68
IML		UA	14th St. Gauge	A68	A68
Acculab	01-A4438	UA	14th St. Gauge	A68	A68
IML;		UA	14th St. Gauge	A68	A68
Acculab	01-A8047	UA	14th St. Gauge	A68	A68
IML;		UA	14th St. Gauge	A68	A68
Acculab	01-A13360	UA	14th St. Gauge	A68	A68
IML;		UA	14th St. Gauge	A68	A68
Acculab	G01090118-01	UA	14th St. Gauge	A68	A68
IML;		UA	14th St. Gauge	A68	A68
Acculab	G01110179-01	UA	14th St. Gauge	A68	A68
IML;		UA	14th St. Gauge	A68	A68
Acculab	G02010053-01	UA	14th St. Gauge	A68	A68
Acculab	G02030171-01	UA	14th St. Gauge	A68	A68
IML;		UA	14th St. Gauge	A68	A68
IML;		UA	14th St. Gauge	A68	A68
Sangre de	22140-22142	UA	14th St. Gauge	A68	A68
CDOW	103.167	UA	14th St. Gauge	A68	A68
Energy Lal	C02070236-001	UA	14th St. Gauge	A68	A68
CDOW	103.168	UA	14th St. Gauge	A68	A68
IML;		UA	14th St. Gauge	A68	A68
CDOW	103.169	UA	14th St. Gauge	A68	A68
Energy Lal	C02090454-001	UA	14th St. Gauge	A68	A68
CDOW	103.170	UA	14th St. Gauge	A68	A68

IML;		UA	14th St. Gauge	A68	
CDOW	103.171	UA	14th St. Gauge	13th St Br A68	
Energy LalC02110426		UA	14th St. Gauge	A68	
CDOW	103.172	UA	14th St. Gauge	13th St Br A68	
IML;		UA	14th St. Gauge	A68	
CDOW	103.173	UA	14th St. Gauge	13th St Br A68	
CDOW	103.174	UA	14th St. Gauge	13th St Br A68	
Energy LalC0301072:C03010722		UA	14th St. G 13th St Bridge	A68	A68
CDOW	103.175	UA	14th St. Gauge	13th St Br A68	
IML;		UA	14th St. Gauge	A68	
CDOW	103.176	UA	14th St. Gauge	13th St Br A68	
CDOW	103.177	UA	14th St. Gauge	13th St Br A68	
CDOW	103.178	UA	14th St. Gauge	13th St Br A68	
Energy LalC0305032:C03050327		UA	14th St. G 13th St Bridge	A68	A68
CDOW	103.179	UA	14th St. Gauge	A68	
CDOW	103.180	UA	14th St. Gauge	13th St Br A68	
Energy LalC0307023:C03070233		UA	14th St. G 13th St Bridge	A68	A68
CDOW	103.181	UA	14th St. Gauge	13th St Br A68	
CDOW	103.182	UA	14th St. Gauge	A68	
Energy Laboratories		UA	14th St. Gauge	A68	
CDOW	103.183	UA	14th St. Gauge	A68	
Energy LalC03110261-001		UA	14th St. Gauge	A68	
CDOW	103.184	UA	14th St. Gauge	A68	
CDOW	103.185	UA	14th St. Gauge	A68	
Energy LalC04030243-001		UA	14th St. Gauge	A68	
CDOW	103.186	UA	14th St. Gauge	A68	
CDOW	103.187	UA	14th St. Gauge	A68	
Energy LalC04050280-001		UA	14th St. Gauge	A68	
CDOW	103.188	UA	14th St. Gauge	A68	
CDOW	103.189	UA	14th St. Gauge	A68	
CDOW	103.19	UA	14th St. Gauge	A68	
Energy LalC04070459-001		UA	14th St. Gauge	A68	
CDOW	103.191	UA	14th St. Gauge	A68	
Energy LalC04090141-003		UA	14th St. Gauge	A68	
CDOW	103.192	UA	14th St. Gauge	A68	
CDOW	103.190	UA	14th St. Gauge	A68	
CDOW	103.194	UA	14th St. Gauge	103 A68	
Energy LalC04110529-003		UA	14th St. Gauge	A68	
CDOW	103.195	UA	14th St. Gauge	103 A68	
CDOW	103.196	UA	14th St. Gauge	A68	
CDOW	103.197	UA	14th St. Gauge	A68	
Energy Laboratories, Inc			14th St. Gauge	A68	
CDOW	103.198	UA	14th St. Gauge	A68	
CDOW	103.199	UA	14th St. Gauge	A68	
CDOW	103.2	UA	14th St. Gauge	A68	
Energy Laboratories, Inc			14th St. Gauge	A68	
CDOW	103.201	UA	14th St. Gauge	A68	
CDOW	103.202	UA	14th St. Gauge	A68	
Energy Laboratories, Inc			14th St. Gauge	A68	
CDOW	103.203	UA	14th St. Gauge	A68	

<b>CDOW</b>	<b>103.204</b>	<b>UA</b>	<b>14th St. Gauge</b>	<b>A68</b>	
CDOW	103.204	UA	14th St. Gauge	A68	
Energy Laboratories, Inc			14th St. Gauge	A68	
CDOW	103.205	UA	14th St. Gauge	A68	
CDOW	103.206	UA	14th St. Gauge	A68	
Energy Laboratories, Inc			14th St. Gauge	A68	
CDOW	103.208	UA	14th St. Gauge	A68	
CDOW	103.207	UA	14th St. Gauge	A68	
Energy Laboratories, Inc		UA	14th St. Gauge	A68	
CDOW	103.209	UA	14th St. Gauge	A68	
<b>CDOW</b>	<b>103.209</b>	<b>UA</b>	<b>14th St. Gauge</b>	<b>A68</b>	
CDOW	103.21	UA	14th St. Gauge	A68	
Energy Laboratories, Inc		UA	14th St. Gauge	A68	
<b>CDOW</b>	<b>103.21</b>	<b>UA</b>	<b>14th St. Gauge</b>	<b>A68</b>	
CDOW	103.211	UA	14th St. Gauge	A68	
CDOW	103.212	UA	14th St. Gauge	A68	
Energy Laboratories, Inc		UA	14th St. Gauge	A68	
Energy Laboratories, Inc		UA	14th St. Gauge	A68	
<b>CDOW</b>	<b>103.211</b>	<b>UA</b>	<b>14th St. Gauge</b>	<b>A68</b>	
CDOW	103.213	UA	14th St. Gauge	A68	
CDOW	103.214	UA	14th St. Gauge	A68	
Energy Laboratories, Inc		UA	14th St. Gauge	A68	
<b>CDOW</b>	<b>103.213</b>	<b>UA</b>	<b>14th St. Gauge</b>	<b>A68</b>	
CDOW	103.215	UA	14th St. Gauge	A68	
<b>CDOW</b>	<b>103.214</b>	<b>UA</b>	<b>14th St. Gauge</b>	<b>A68</b>	
CDOW	103.216	UA	14th St. Gauge	A68	
Energy Laboratories, Inc		UA	14th St. Gauge	A68	
CDOW	103.217	UA	14th St. Gauge	A68	
CDOW	103.218	UA	14th St. Gauge	A68	
Energy Laboratories, Inc		UA	14th St. Gauge	A68	
CDOW	103.219	UA	14th St. Gauge	A68	
CDOW	103.22	UA	14th St. Gauge	A68	
CDOW	103.221	UA	14th St. Gauge	A68	
CDOW	103.222	UA	14th St. Gauge	A68	
Energy Laboratories, Inc		UA	14th St. Gauge	A68	
CDOW	103.223	UA	14th St. Gauge	A68	
	<b>103.223</b>			<b>A68</b>	<b>103</b>
Energy Laboratories, Inc		UA	14th St. Gauge	A68	
	103.224			A68	103
	103.225			A68	103
EPA		UA	14th St. Gauge	A68	
Energy Laboratories, Inc		UA	14th St. Gauge	A68	
	103.226			A68	103
	103.227			A68	103
Energy Laboratories, Inc		UA	14th St. Gauge	A68	
	103.228			A68	103
CDOW		UA	14th St. Gauge	A68	



103.229				A68	103
Energy Laboratories, Inc		UA	14th St. Gauge	A68	
103.231				A68	103
Energy Laboratories, Inc		UA	14th St. Gauge	A68	
103.232				A68	103
Energy Laboratories, Inc		UA	14th St. Gauge	A68	
103.235				A68	103
Energy Laboratories, Inc		UA	14th St. Gauge	A68	
103.236				A68	103
103.237				A68	103
Energy Laboratories, Inc		UA	14th St. Gauge	A68	
103.238				A68	103
103.239				A68	103
Energy Laboratories, Inc		UA	14th St. Gauge	A68	
103.24				A68	103
103.241				A68	103
Energy Laboratories, Inc		UA	14th St. Gauge	A68	
103.242				A68	103
103.243				A68	103
Energy Laboratories, Inc		UA	14th St. Gauge	A68	
103.245				A68	103
103.246				A68	103
Energy Laboratories, Inc		UA	14th St. Gauge	A68	
103.247				A68	103
EPA		UA	14th St. Gauge	A68	
103.248				A68	103
EPA		UA	14th St. Gauge	A68	
CDOW 103.249		UA	14th St. Gauge	A68	
Energy Laboratories, Inc		UA	14th St. Gauge	A68	
EPA		UA	14th St. Gauge	A68	
103.25				A68	103
EPA		UA	14th St. Gauge	A68	
Energy Laboratories, Inc		UA	14th St. Gauge	A68	
103.251				A68	103
EPA		UA	14th St. Gauge	A68	
103.252				A68	103
		UA	14th Street Gauge	A68	
103.253				A68	103
EPA		UA	14th St. Gauge	A68	
103.254				A68	103
EPA		UA	14th St. Gauge	A68	
103.255				A68	103
EPA		UA	14th St. Gauge	A68	
U.S. EPA, 1004007-01	R_EPA_1	UA	Animas River upstream of the Animas River	A68	103
103.256				A68	103

		UA	14th Street Gauge	A68	
	103.257			A68	103
EPA		UA	<b>14th St. Gauge</b>	<b>A68</b>	
	103.258			A68	103
		UA	14th Street Gauge	A68	
	103.259			A68	103
EPA		UA	<b>14th St. Gauge</b>	<b>A68</b>	
	103.26			A68	103
		UA	14th Street Gauge	A68	
	103.261			A68	103
EPA		UA	<b>14th St. Gauge</b>	<b>A68</b>	
	103.262			A68	103
EPA		UA	<b>14th St. Gauge</b>	<b>A68</b>	
		UA	14th Street Gauge	A68	
	103.263			A68	103
	103.264			A68	103
DOW	L01050930	UA	<b>14th St. Gauge</b>	<b>A68</b>	
Energy Laboratories, Inc		UA	14th Street Gauge	A68	
DOW	L02111315	UA	<b>14th St. Gauge</b>	<b>A68</b>	
DOW	L03090830	UA	<b>14th St. Gauge</b>	<b>A68</b>	
Energy Laboratories, Inc		UA	14th Street Gauge	A68	
EPA			<b>14th St. Gauge</b>	<b>A68</b>	
DOW	L04061220	UA	<b>14th St. Gauge</b>	<b>A68</b>	
Energy Laboratories, Inc		UA	14th Street Gauge	A68	
DOW	L05081215	UA	<b>14th St. Gauge</b>	<b>A68</b>	
DOW	L06031325	UA	<b>14th St. Gauge</b>	<b>A68</b>	
EPA			<b>14th St. Gauge</b>	<b>A68</b>	
DOW	L07051315	UA	<b>14th St. Gauge</b>	<b>A68</b>	
EPA			<b>14th St. Gauge</b>	<b>A68</b>	
DOW	L08011050	UA	<b>14th St. Gauge</b>	<b>A68</b>	
EPA			<b>14th St. Gauge</b>	<b>A68</b>	
DOW	L09070900	UA	<b>14th St. Gauge</b>	<b>A68</b>	
Energy Laboratories, Inc		UA	14th Street Gauge	A68	
EPA			<b>14th St. Gauge</b>	<b>A68</b>	
DOW	L10071030	UA	<b>14th St. Gauge</b>	<b>A68</b>	
EPA			<b>14th St. Gauge</b>	<b>A68</b>	
DOW	L11020900	UA	<b>14th St. Gauge</b>	<b>A68</b>	
Energy Laboratories, Inc		UA	14th Street Gauge	A68	
DOW	L12071335	UA	<b>14th St. Gauge</b>	<b>A68</b>	
<b>EPA</b>		<b>UA</b>	<b>14th St. G Animas abv Cement</b>	<b>A68</b>	<b>A68</b>
DPW	103.277	UA	Animas Gage @ 14th St. Silverto	<b>A68</b>	A68
DPW	103.278	UA	Animas Gage @ 14th St. Silverto	<b>A68</b>	A68
DPW	103.279	UA	Animas Gage @ 14th St. Silverto	<b>A68</b>	A68
DPW	103.28	UA	Animas Gage @ 14th St. Silverto	<b>A68</b>	A68
DPW	103.281	UA	Animas Gage @ 14th St. Silverto	<b>A68</b>	A68
EPA	A830-0001	UA	Animas Gage @ 14th St. Silverto	<b>A68</b>	

DPW	103.282	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	A68
DPW	103.283	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	A68
DPW	103.284	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	A68
EPA	A830-0100	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
EPA	A830-0173	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
EPA	A830-0101	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.285	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	A68
EPA	A830-0102	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
EPA	A830-0103	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.286	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	A68
DPW	103.287	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	A68
DPW	103.288	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.289	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.29	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.291	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
EPA	A830-0445	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.292	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.293	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.294	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.295	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.296	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.297	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.298	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.299	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.3	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.301	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.302	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.303	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.304	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.305	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.306	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.307	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.308	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.309	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.31	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
EPA	A830-0744	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.311	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.312	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.313	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.314	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.315	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
EPA	A830-0759	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
EPA	A830-0793	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
EPA	A830-0794	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
EPA	A830-0795	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
DPW	103.316	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	
EPA	A830-0796	UA	Animas Gage @ 14th St. Silverto <b>A68</b>	

EPA	A830-0797	UA	Animas Gage @ 14th St. Silverto	A68
EPA	A830-0798	UA	Animas Gage @ 14th St. Silverto	A68
DPW	103.317	UA	Animas Gage @ 14th St. Silverto	A68
EPA	A830-0799	UA	Animas Gage @ 14th St. Silverto	A68
EPA	A830-0801	UA	Animas Gage @ 14th St. Silverto	A68
EPA	A830-0802	UA	Animas Gage @ 14th St. Silverto	A68
EPA	A830-0800	UA	Animas Gage @ 14th St. Silverto	A68
DPW	103.318	UA	Animas Gage @ 14th St. Silverto	A68
DPW	103.319	UA	Animas Gage @ 14th St. Silverto	A68
EPA	085M-0018	UA	Animas Gage @ 14th St. Silverto	A68
DPW	103.32	UA	Animas Gage @ 14th St. Silverto	A68
DPW	103.321	UA	Animas Gage @ 14th St. Silverto	A68
DPW	103.322	UA	Animas Gage @ 14th St. Silverto	A68

OTHER AGENCY	DMG & Ot	USGS AML	MISNOM	SAMPLE	NUI	DATE	IME_24H	AGENCY	COMMENT	TYPE
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		09/05/91	WQCD	S
		09/06/91	WQCD	S
		09/07/91	WQCD	S
		09/09/91	WQCD	S
		09/10/91	WQCD	S
		12/08/91	14:20 CRW	S
		01/15/92	10:30 CRW	S
		02/13/92	15:40 CRW	S
		03/05/92	16:04 CRW	S
		03/16/92	16:14 CRW	S
		04/13/92	15:50 CRW	S
		04/20/92	16:07 CRW	S
		04/30/92	11:15 CRW	S
		05/05/92	15:44 CRW	S
		05/11/92	16:00 CRW	S
		05/18/92	16:00 CRW	S
		05/26/92	8:44 CRW	S
		06/01/92	8:43 CRW	S
		06/08/92	8:44 CRW	S
		06/15/92	8:45 CRW	S
		06/22/92	8:10 CRW	S
		06/23/92	WQCD	S
		06/24/92	WQCD	S
		06/25/92	WQCD	S
		07/14/92	8:52 CRW	S
		07/21/92	8:41 CRW	S
		07/27/92	8:42 CRW	S
		08/10/92	8:37 CRW	S
		08/24/92	8:53 CRW	S
103	103199209150749	9/15/1992	7:49:00CRW	
		09/16/92	15:42 CRW	S
		10/14/92	15:45 CRW	S
		10/14/92	WQCD	S
		10/15/92	WQCD	S
		11/18/92	15:42 CRW	S
		12/16/92	16:18 CRW	S
		01/13/93	15:58 CRW	S
		02/17/93	16:01 CRW	S
		03/10/93	15:53 CRW	S
		03/31/93	15:51 CRW	S
		04/14/93	16:09 CRW	S
		04/21/93	16:00 CRW	S
		04/29/93	16:00 CRW	S
		05/04/93	16:07 CRW	S
		05/12/93	16:05 CRW	S

			05/26/93	12:36	CRW	S
			06/02/93	8:20	CRW	S
			06/09/93	8:34	CRW	S
			06/16/93	16:25	CRW	S
			06/23/93	8:25	CRW	S
			07/14/93	8:28	CRW	S
			07/20/93		WQCD	S
			07/21/93	8:30	CRW	S
			07/21/93		WQCD	S
			07/28/93	8:35	CRW	S
			08/11/93	8:31	CRW	S
			08/25/93	8:34	CRW	S
			09/15/93	15:59	CRW	S
			10/13/93	15:50	CRW	S
			11/17/93	15:51	CRW	S
			12/15/93	15:51	CRW	S
			01/12/94	15:40	CRW	S
			03/16/94	15:55	CRW	S
			03/30/94	15:52	CRW	S
103		103.052	4/13/1994	15:54	CRW	S
			04/20/94	15:55	CRW	S
			04/27/94	16:19	CRW	S
			05/03/94	15:51	CRW	S
			05/11/94	15:52	CRW	S
			05/18/94	15:55	CRW	S
103		103199405241620	5/24/1994	16:20:00	CRW	
			06/01/94	8:05	CRW	S
			06/08/94	8:20	CRW	S
			06/15/94	8:20	CRW	S
			06/22/94	8:10	CRW	S
			07/13/94	8:16	CRW	S
			07/20/94	8:38	CRW	S
			07/27/94	8:40	CRW	S
			08/10/94	8:36	CRW	S
			08/24/94	8:25	CRW	S
			09/15/94	15:45	CRW	S
			10/13/94	16:10	CRW	S
			11/09/94	15:50	CRW	S
			11/09/94		BOR	S
			12/13/94	15:55	CRW	S
			01/18/95	16:10	CRW	S
			02/15/95	16:05	CRW	S
			03/01/95	15:45	CRW	S
103		103199503151555	3/15/1995	15:55:00	CRW	
	103	103.076	4/6/1995	15:58	CRW	S
	103	103.077	4/12/1995	16:08	CRW	S
			04/12/95		BOR	S
103		103199504191608	4/19/1995	16:08:00	CRW	
			05/03/95	15:55	CRW	S
103		103199505101600	5/10/1995	16:00:00	CRW	
103		103199505221605	5/22/1995	16:05:00	CRW	
			05/31/95	8:42	CRW	S

			06/07/95	8:24	CRW		S
			06/14/95	8:43	CRW		S
			06/21/95	8:29	CRW		S
			06/21/95		BOR		S
			06/28/95	8:34	CRW		S
			07/05/95	8:30	CRW		S
103		103199507121732	7/12/1995	17:32:00	CRW		
			07/19/95	8:38	CRW		S
			08/02/95	8:30	CRW		S
			08/16/95	9:49	CRW		S
			09/06/95		BOR		S
103		103199509131600	9/13/1995	16:00:00	CRW		
			10/11/95	0	CRW		S
103		103199511151619	11/15/1995	16:19:00	CRW		
			11/29/95		BOR		S
103		103199512131620	12/13/1995	16:20:00	CRW		
	103		02/14/96		CRW		S
	103		03/13/96		CRW		S
	103		03/20/96		CRW		S
		103	103.099	4/3/1996	15:45	CRW	stream S
				04/09/96	12:30	BOR	S
	103			04/10/96		CRW	S
	103			04/17/96		CRW	S
	103			05/01/96		CRW	S
	103			05/08/96		CRW	S
	103			05/15/96		CRW	S
				05/21/96	10:30	BOR	S
	103			05/29/96		CRW	S
	103			06/05/96		CRW	S
	103			06/12/96		CRW	S
				06/18/96	0	SGC	S
	103			06/19/96		CRW	S
	103			06/26/96		CRW	S
	103			07/03/96		CRW	S
	103			07/10/96		CRW	S
				07/16/96	10:30	BOR	S
	103			07/17/96		CRW	S
	103			08/07/96		CRW	S
				8/14/1996	10:00	BOR	S
				8/14/1996	0	SGC	S
	103			08/21/96		CRW	S
	103			09/18/96		CRW	S
A-68				10/01/96		DMG	S
	103			10/16/96		CRW	S
				10/18/1996	0	SGC	S
				10/23/1996		CRW	S
				11/7/1996	0	SGC	S
	103			11/13/1996		CRW	S
		4		11/19/96	13:10	USGS	S
				12/13/1996	0	SGC	S
				1/7/1997	10:00	BOR	S
		5		01/08/97	15:30	USGS	S

	6	01/30/97	10:00	USGS	S
		2/5/1997	0	SGC	S
	75	02/25/97	12:00	USGS	S
		3/5/1997	9:00	BOR	S
103		03/12/97		CRW	S
103		03/19/97		CRW	S
	74	03/25/97	11:45	USGS	S
103		04/02/97		CRW	S
		4/11/1997	0	SGC	S
103		04/16/97		CRW	S
		4/16/1997		CRW	S
	76	04/29/97	10:00	USGS	S
103		04/30/97		CRW	S
		05/07/97		BOR	S
	109	05/14/97	9:20	USGS	S
103		05/21/97		CRW	S
	110	05/21/97	8:30	USGS	S
103		05/28/97		CRW	S
	111	05/29/97	9:30	USGS	S
9	103	06/04/97		CRW	S
	112	06/05/97	11:00	USGS	S
		6/10/1997	0	SGC	S
103.0		103.1	6/11/1997	9:50	CRW
	135		06/11/97	10:00	USGS
	134		06/16/97	13:00	USGS
103		103.128	6/18/1997	8:55	CRW
103		103.129	6/25/1997	8:45	CRW
	133		06/26/97	11:00	USGS
	132		07/01/97	14:00	USGS
103		103.130	7/2/1997	8:55	CRW
			07/09/97	9:30	BOR
	131		07/15/97	11:00	USGS
103		103.131	7/16/1997	8:45	CRW
	202		07/30/97	11:15	USGS
	203		08/12/97	12:00	USGS
103		103.132	8/13/1997	9:10	CRW
			8/13/1997	0	SGC
			09/11/97	10:00	BOR
			9/11/1997		CRW
103		103.133	9/17/1997	16:05	CRW
	201		09/25/97	11:00	USGS
			10/8/1997	0	SGC
103.0		103.1	10/15/1997	15:55	CRW
	276		10/22/97	14:00	USGS
			11/12/97	10:45	BOR
103		103.135	11/12/1997	13:55	CRW
	277		11/25/97	15:15	USGS
			12/3/1997	0	SGC
103.0		103.1	12/17/1997	16:05	CRW
	328		12/23/97	14:00	USGS
			01/07/98		BOR
			2/4/1998	0	SGC

Est.Q



	321		02/12/98	13:00	USGS	Est. Q	S
103.0		103.1	3/4/1998	16:00	CRW		S
			03/05/98	9:30	BOR		S
	332		03/16/98	14:30	USGS		S
103		103.138	3/18/1998	16:20	CRW		S
103		103.139	4/1/1998	15:50	CRW		S
			04/08/98	12:15	SGC		S
103		103.140	4/15/1998	17:04	CRW		S
	340		04/23/98	12:30	USGS		S
103		103.141	4/29/1998	16:21	CRW		S
103		103.142	5/5/1998	15:54	CRW		S
	351		05/06/98	11:15	USGS		S
			05/07/98		BOR		S
103		103.143	5/13/1998	16:15	CRW		S
103		103.144	5/20/1998	11:05	CRW		S
103		103.145	5/27/1998	9:00	CRW		S
	381		05/29/98	13:00	USGS		S
	382		06/02/98	7:30	USGS		S
103		103.146	6/3/1998	8:30	CRW		S
	413		06/09/98	14:30	USGS		S
103		103199806100830	6/10/1998	8:30:00	CRW		
			06/10/98	11:30	SGC		S
103		103.148	6/17/1998	8:50	CRW		S
103		103199806170830	6/17/1998	8:30:00	CRW		
103		103.149	6/24/1998	9:30	CRW		S
	414		06/24/98	12:00	USGS		S
AR0742	33756 843		07/01/98	10:45	BOR		S
	415		07/09/98	14:50	USGS		S
103		103.151	7/15/1998	8:40	CRW		S
103		103.152	7/22/1998	9:00	CRW		S
	477		07/22/98	14:30	USGS		S
			08/05/98	11:30	SGC		S
103		103.153	8/26/1998	8:20	CRW		S
			9/2/1998	10:15	DMG		S
AR0742	33756 843		09/09/98	9:15	BOR		S
103		103.154	9/16/1998	16:13	CRW		S
	601		09/30/98	13:15	USGS		S
			10/07/98	12:00	SGC		S
			11/03/98	9:00	BOR		S
103		103.156	11/18/1998	16:20	CRW		S
			12/02/98	12:00	SGC		S
AR0742	33756 843		01/06/99	9:30	BOR		S
			01/06/99	9:30	BOR		S
			02/04/99	9:10	SGC		S
	661		02/17/99	14:45	USGS		S
103			2/24/1999	16:10	CRW		S
AR0742	33756 843		03/03/99	9:00	BOR		S
103			3/17/1999	16:15	CRW		S
103			4/1/1999	16:18	CRW		S
			04/07/99	9:55	SGC		S
103			4/26/1999	16:15	CRW		S
	681		04/29/99	12:00	USGS		S

AR0742	33756 843	05/06/99	9:00	BOR	S
		06/09/99	9:20	SGC	S
A-68		6/23/1999	14:50	DMG	S
		07/07/99	9:15	SGC	S
	99-A16493	8/4/99	10:00	BOR	S
	99-A16493	8/4/1999	10:00	BOR	S
	792	08/19/99	12:30	USGS neg. 41 sh	S
	99-A19163	9/1/1999	10:30	BOR	S
103		9/16/1999	16:30	CRW	S
		10/06/99	9:00	SGC	S
103		10/14/1999	16:09	CRW	S
	99-A24557	11/3/1999	10:30	BOR	S
103		11/17/1999	16:05	CRW	S
		12/01/99	10:00	SGC	S
		1/5/00	9:00	BOR	S
		02/02/00	11:00	SGC	S
103		2/28/2000	15:58	CRW	S
		3/1/00	10:00	BOR	S
103		3/15/2000	10:05	CRW	S
		04/05/00	10:15	SGC	S
		5/3/00	9:30	BOR	S
		06/07/00	9:15	SGC	S
		7/5/00	9:30	BOR	S
		08/02/00	9:15	SGC	S
		9/6/00	9:30	BOR	S
		10/04/00	9:15	SGC	S
		11/1/00	10:00	BOR	S
		12/06/00	9:15	SGC	S
		1/3/01	10:00	BOR	S
		02/07/01	9:15	SGC	S
		3/14/01	11:00	BOR	S
		04/04/01	10:30	SGC	S
		5/2/01	10:00	BOR	S
		06/06/01	9:30	SGC	S
		7/6/01	10:30	BOR	S
		08/01/01	10:00	SGC	S
		9/5/01	9:30	BOR	S
		10/03/01	8:30	SGC	S
		11/7/01	9:00	BOR	S
		12/05/01	9:15	SGC	S
		1/2/02	10:00	BOR	S
		3/6/02	10:30	BOR	S
		04/03/02	9:00	SGC	S
		05/01/02	10:00	SGC	S
		6/5/02		BOR	S
103		6/27/2002	12:50	CRW	S
		7/3/02	10:00	BOR	S
103		7/17/2002	13:15	CRW	S
		08/07/02	9:30	SGC	S
103		8/14/2002	12:15	CRW	S
		9/4/02	9:30	BOR	S
103		9/18/2002	17:20	CRW	S

		10/02/02	9:15	SGC		S
103		10/25/2002	9:17	CRW		S
		11/6/02	9:00	BOR		S
103		11/12/2002	13:00	CRW		S
		12/04/02	11:00	SGC		S
103		12/8/2002	13:05	CRW		S
103		1/8/2003	12:35	CRW		S
AR0742		1/9/2003	9:00	BOR		S
103		2/1/2003	15:40	CRW		S
		02/05/03	9:30	SGC		S
103		3/9/2003	17:00	CRW		S
103		4/24/2003	11:40	CRW		S
103		5/7/2003	9:00	CRW		S
AR0742		5/7/2003	9:00	BOR		S
103	103200306021421	6/2/2003	14:21:00	CRW		
103		7/2/2003		CRW		S
AR0742		7/2/2003		BOR		S
103		8/14/2003	11:35	CRW		S
	103	9/11/2003	11:30	CRW		S
		9/11/03	11:30	BOR	dissolved r	S
	103	10/4/2003	16:44	CRW		S
		11/6/03	10:00	BOR		S
	103	12/29/2003	15:15	CRW		S
	103	3/3/2004	10:00	CRW		S
		3/3/04	10:00	BOR		S
	103	4/16/2004	13:35	CRW		S
	103	5/5/2004	9:30	CRW		S
		5/5/04	9:30	BOR		S
	103	5/28/2004	14:00	CRW		S
	103	6/17/2004	13:00	CRW		S
103	103200407070900	7/7/2004	9:00:00	CRW		
		7/7/04	9:00	BOR		S
	103	8/19/2004	12:45	CRW		S
		9/1/04	10:30	BOR		S
103	103200409151330	9/15/2004	13:30:00	CRW		
	103	10/14/2004	12:28	CRW		S
	103	103.194	11/10/04	11:00	CRW	BOR Colle S
			11/10/04	11:00	BOR	S
	103	103.195	12/08/04	10:55	CRW	S
		103.196	01/20/05	12:30	CRW	S
		103.197	02/15/05	10:47	CRW	S
	A-68	03/02/2005	10:00	BOR		S
	103.198	03/13/05	12:55	CRW		S
	103.199	04/09/05	12:05	CRW		S
	103.2	05/04/05	9:00	CRW		S
	A-68	05/04/2005	9:00	BOR		S
103	103200506090820	6/9/2005	8:20:00	CRW		
103	103200507061000	7/6/2005	10:00:00	CRW		
	A-68	07/06/2005	10:00	BOR		S
		8/10/05		CRW		S

		<b>9/14/05</b>	<b>CRW</b>	<b>S</b>
		9/14/05	CRW	S
A-68		9/15/2005	9:00 BOR	S
		10/13/05	CRW	S
		11/2/05	CRW	S
A-68		11/2/2005	9:00 BOR	S
		12/20/05	CRW	S
		1/6/06	CRW	S
		01/06/2006	10:00 BOR	S
		2/8/06	CRW	S
		<b>3/7/06</b>	<b>CRW</b>	<b>S</b>
		3/15/06	CRW	S
		03/15/2006	9:00 BOR	S
		<b>4/5/06</b>	<b>CRW</b>	<b>S</b>
		4/5/06	CRW	S
		5/10/06	CRW	S
		05/10/2006	10:00 BOR	S
		05/16/2006	12:30 BOR	S
		<b>6/6/06</b>	<b>CRW</b>	<b>S</b>
		6/6/06	CRW	S
		7/12/06	CRW	S
		07/12/2006	9:00 BOR	S
		<b>8/2/06</b>	<b>CRW</b>	<b>S</b>
		8/2/06	CRW	S
		<b>9/6/06</b>	<b>CRW</b>	<b>S</b>
		9/6/06	CRW	S
		09/06/2006	9:00 BOR	S
		10/11/06	CRW	S
		11/1/06	CRW	S
		11/01/2006	9:00 BOR	S
		12/5/06	CRW	S
		1/11/07	CRW	S
		2/6/07	CRW	S
		3/7/07	CRW	S
		03/07/2007	9:00 BOR	S
		4/2/07	CRW	S
	<b>103200704021305</b>	<b>4/2/2007 13:05:00 DOW</b>		
		05/11/2007	10:00 BOR	S
	103200705111000	5/11/2007	10:00:00 DOW	
	103200706051030	6/5/2007	10:30:00 DOW	
		6/14/07	14:30 ARSG	USGS at 1S
		07/11/2007	9:30 BOR	S
	103200707110930	7/11/2007	9:30:00 DOW	
	103200708061305	8/6/2007	13:05:00 DOW	
		09/05/2007	11:00 BOR	S
	103200709051100	9/5/2007	11:00:00 DOW	
	103.229	10/25/2007	14:40 CDOW	

103200710251440 10/25/2007 14:40:00 DOW

	11/07/2007	9:00 BOR	S
103200712051350	12/5/2007	13:50:00 DOW	
	01/02/08	BOR	S
103200801020930	1/2/2008	9:30:00 DOW	
	03/12/08	9:00 BOR	S
103200804101340	4/10/2008	13:40:00 DOW	
	05/07/08	10:00 BOR	S
103200805071000	5/7/2008	10:00:00 DOW	
103200806031400	6/3/2008	14:00:00 DOW	
	07/09/08	9:00 BOR	S
103200807090945	7/9/2008	9:45:00 DOW	
103200808051130	8/5/2008	11:30:00 DOW	
	09/03/08	11:00 BOR	S
103200809031100	9/3/2008	11:00:00 DOW	
103200810061500	10/6/2008	15:00:00 DOW	
	11/07/08	9:00 BOR	S
103200811071230	11/7/2008	12:30:00 DOW	
103200812031300	12/3/2008	13:00:00 DOW	
	3/4/2009	9:00 BOR	clear; low tS
103200903040900	3/4/2009	9:00:00 DOW	
103200904061335	4/6/2009	13:35:00 DOW	
	5/13/2009	9:00 BOR	turbid highS
103200905130900	5/13/2009	9:00:00 DOW	
	05/19/09	10:45 EPA	S
103200906021020	6/2/2009	10:20:00 DOW	
	06/16/09	11:40 EPA	S
103200907081000	7/8/2009	10:00:00 CRW	Conductivity 162 umhos/cm
	7/8/2009	10:00 BOR	S
	07/14/09	10:35 EPA	S
103200908121040	8/12/2009	10:40:00 DOW	
	08/18/09	10:45 EPA	S
	9/16/2009	9:30 BOR	S
103200909160930	9/16/2009	9:30:00 DOW	
	09/22/09	11:15 EPA	S
103200910051245	10/5/2009	12:45:00 DOW	
	11/4/2009	9:00 BOR	
103200911051100	11/5/2009	11:00:00 DOW	
	11/17/09	11:15 EPA	S
103200912011340	12/1/2009	13:40:00 DOW	
1002004-01	02/17/10	12:15 EPA	A
103201003021250	3/2/2010	12:50:00 DOW	
1003013-01	03/17/10	14:15 EPA	
103201004161405	4/13/2010		
103201004161405	4/16/2010	14:05:00 DOW	

103  
 eek and Mineral Creek in Silverton. Sampled at

		5/5/2010	9:00 BOR	
	103201005050900	5/5/2010	9:00:00 DOW	
	1006002-01	06/02/10	9:45 EPA	
	103201006021420	6/2/2010	14:20:00 DOW	
		7/8/2010	9:00 BOR	
	103201007080900	7/8/2010	9:00:00 DOW	
	1007017-01	07/13/10	10:00 EPA	
	103201008101005	8/10/2010	10:05:00 DOW	
		9/9/2010	9:00 BOR	
	103201009090900	9/9/2010	9:00:00 DOW	
	1009024-01	09/14/10	10:00 EPA	
	103201010040945	10/4/2010	9:45:00 DOW	
	1011008-01	11/02/10	9:45 EPA	
		11/3/2010	9:00 BOR	
	103201011030900	11/3/2010	9:00:00 DOW	
	103201012071400	12/7/2010	14:00:00 DOW	
103		1/5/2011	9:30:00 DOW	
		1/5/2011	9:30 BOR	S
103		2/11/2011	13:15:00 DOW	
103		3/9/2011	8:30:00 DOW	
		3/9/2011	8:30 BOR	S
	1103001-01	03/15/11	12:15 EPA	S
103		4/6/2011	12:20:00 DOW	
		5/4/2011	8:30 BOR	S
103		5/8/2011	12:15:00 DOW	
103		6/3/2011	13:25:00 DOW	
	1106010-01	06/14/11	13:15 EPA	S
103		7/5/2011	13:15:00 DOW	
	1107016-01	07/19/11	10:00 EPA	S
103		8/1/2011	10:50:00 DOW	
	1108015-01	08/16/11	10:00 EPA	S
103		9/7/2011	9:00:00 DOW	
		9/7/2011	9:00 BOR	S
	1109011-01	09/13/11	10:00 EPA	S
103		10/7/2011	10:30:00 DOW	
	1110009-01	10/18/11	9:30 EPA	S
103		11/2/2011	9:00:00 DOW	
		11/2/2011	9:00 BOR	S
103		12/7/2011	13:35:00 DOW	

# HWMD

S

1/5/2012	13:00:00 CRW		S
2/9/2012	13:25:00 CRW	May have l	S
3/7/2012	13:25:00 CRW		S
4/3/2012	9:36:00 CRW		S
5/2/2012	9:55:00 CRW		S
5/15/2012	12:15		

6/2/2012 13:25:00 CRW		S
8/6/2012 10:05:00 CRW		S
9/4/2012 13:25:00 CRW		S
10/1/2012 16:50		
10/1/2012 16:50		
10/2/2012 11:45		
10/3/2012 12:35:00 CRW		S
10/3/2012 8:45		
10/4/2012 10:15		
11/7/2012 10:45:00 CRW		S
12/10/2012 11:00:00 CRW	metals tak	S
1/7/2013 10:00:00 CRW		
3/11/2013 10:30:00 CRW		
4/10/2013 10:30:00 CRW		
5/7/2013 13:00:00 CRW		
5/14/2013 10:10		
6/5/2013 13:20:00 CRW	High flow nutrient sample	
7/7/2013 14:00:00 CRW		
8/4/2013 8:45:00 CRW		
9/10/2013 13:10:00 CRW	Rain, river up	
10/2/2013 13:30:00 CRW		
11/8/2013 10:15:00 CRW		
12/13/2013 10:30:00 CRW	Filtered later	
1/8/2014 10:00:00 CRW	filtered in lab	
2/7/2014 10:30:00 CRW		
3/5/2014 10:15:00 CRW		
3/21/2014 17:15:00 CRW	Special study	
3/22/2014 10:15:00 CRW		
3/25/2014 17:45:00 CRW	Special Study	
3/26/2014 9:00:00 CRW	Special study	
4/4/2014 18:45:00 CRW	Special study	
4/5/2014 10:00:00 CRW	Special study	
4/9/2014 18:45:00 CRW	Special study	
4/10/2014 8:00:00 CRW	Special study	
4/10/2014 9:30:00 CRW		
4/16/2014 7:00		
4/17/2014 19:15:00 CRW	Special study	
4/18/2014 7:45:00 CRW	Special study	
4/25/2014 18:45:00 CRW	Special study	
4/26/2014 7:15:00 CRW	Special study	
5/1/2014 10:15:00 CRW	Special study	
5/5/2014 18:15		
5/13/2014 16:45		
5/21/2014 12:10		
5/28/2014 10:15		
6/6/2014 13:20:00 CRW		
6/6/2014 15:00		

6/13/2014	15:15	
6/23/2014	13:15	
7/1/2014	12:45:00	CRW
7/2/2014	14:15	
7/12/2014	12:00	
7/20/2014	13:30	
7/25/2014	16:15	
8/1/2014	12:15:00	CRW Turbid, raining past 3 days
9/5/2014	10:45:00	CRW
9/24/2014	15:40	
10/2/2014	9:25:00	CRW September Rain and snow
11/7/2014	9:30:00	CRW
12/5/2014	10:45:00	CRW



PURPOSE	LAT_DD	LONG_DD	ELEV_FT	provisional		EST_Q_GPH	pH-lab	TEMP_C
				daily mean	instantaneous			
				flow_CFS	FLOW_CFS			
G	37.8111	107.6586	9290	61.2	7.91	12.8		
G	37.8111	107.6586	9290	84.5	7.8	8.3		
G	37.8111	107.6586	9290	101.6	7.66	7.4		
G	37.8111	107.6586	9290	116.5	7.53	5.2		
G	37.8111	107.6586	9290	126.9	7.77	8		
G	37.8111	107.6586	9290	25.0	7.9	1		
G	37.8111	107.6586	9290	17.8	7.41	0		
G	37.8111	107.6586	9290	-9.0	7.34	0		
G	37.8111	107.6586	9290	-9.0	7.41	2		
G	37.8111	107.6586	9290	-9.0	7.29	5		
G	37.8111	107.6586	9290	-9.0	7.39	9		
G	37.8111	107.6586	9290	-9.0	7.5	9		
G	37.8111	107.6586	9290	328.0	8	7		
G	37.8111	107.6586	9290	-9.0	7.43	9		
G	37.8111	107.6586	9290	-9.0	7.4	12.5		
G	37.8111	107.6586	9290	-9.0	7.38	8		
G	37.8111	107.6586	9290	-9.0	7.23	5		
G	37.8111	107.6586	9290	-9.0	7.44	4		
G	37.8111	107.6586	9290	-9.0	7.51	4		
G	37.8111	107.6586	9290	-9.0	7.7	3		
G	37.8111	107.6586	9290	-9.0	7.49	5		
G	37.8111	107.6586	9290	486.0	7.3	7		
G	37.8111	107.6586	9290	463.0	7.5	9		
G	37.8111	107.6586	9290	421.0	7.6	5.5		
G	37.8111	107.6586	9290	-9.0	7.68	6		
G	37.8111	107.6586	9290	-9.0	7.5	8		
G	37.8111	107.6586	9290	191.0	7.52	7		
G	37.8111	107.6586	9290	91.0	7.66	9		
G	37.8111	107.6586	9290	116.0	7.03	2		
	37.8111	107.6586	9290				7.61	6
G	37.8111	107.6586	9290	60.0	7.41	14		
G	37.8111	107.6586	9290	-9.0	7.63	7.5		
G	37.8111	107.6586	9290	26.8	6.3	5.5		
G	37.8111	107.6586	9290	29.2	6.5	4.5		
G	37.8111	107.6586	9290	-9.0	7.46	5		
G	37.8111	107.6586	9290	-9.0	7.21	0		
G	37.8111	107.6586	9290	16.0	7.15	0		
G	37.8111	107.6586	9290	16.0	7.3	2		
G	37.8111	107.6586	9290	22.0	7.52	5		
G	37.8111	107.6586	9290	24.0	7.05	7		
G	37.8111	107.6586	9290	27.0	7.21	6		
G	37.8111	107.6586	9290	40.0	6.94	10		
G	37.8111	107.6586	9290	99.0	7.3	10		
G	37.8111	107.6586	9290	132.0	7.16	7		
G	37.8111	107.6586	9290	190.0	7.5	10		

G	37.8111	107.6586	9290	741.0	7.21	9	
G	37.8111	107.6586	9290	718.0	8.41	5	
G	37.8111	107.6586	9290	299.0	7.2	4	
G	37.8111	107.6586	9290	907.0	7.28	9	
G	37.8111	107.6586	9290	769.0	7.39	5	
G	37.8111	107.6586	9290	-9.0	7.4	11	
G	37.8111	107.6586	9290	206.0	7.7	12.5	
G	37.8111	107.6586	9290	221.0	7.37	7	
G	37.8111	107.6586	9290	206.0	6.55	9.1	
G	37.8111	107.6586	9290	170.0	7.4	8	
G	37.8111	107.6586	9290	122.0	7.55	9	
G	37.8111	107.6586	9290	83.0	8.1	8	
G	37.8111	107.6586	9290	88.0	8.2	15	
G	37.8111	107.6586	9290	52.0	7.67	11	
G	37.8111	107.6586	9290	33.0	7.38	2	
G	37.8111	107.6586	9290	24.0	7.13	3	
G	37.8111	107.6586	9290	53.0	7.31	2	
G	37.8111	107.6586	9290	-9.0	7.16	5	
G	37.8111	107.6586	9290	-9.0	7.25	7	
G	37.8111	107.6586	9290	-9.0	7.34	11	
G	37.8111	107.6586	9290	-9.0	7.01	10	
G	37.8111	107.6586	9290	-9.0	7.2	3	
G	37.8111	107.6586	9290	-9.0	7.27	9	
G	37.8111	107.6586	9290	-9.0	7.17	14	
G	37.8111	107.6586	9290	-9.0	7.47	11	
	37.8111	107.6586	9290		7.45		7
G	37.8111	107.6586	9290	-9.0	7.48	5	
G	37.8111	107.6586	9290	-9.0	7.59	5	
G	37.8111	107.6586	9290	-9.0	7.56	4	
G	37.8111	107.6586	9290	-9.0	7.43	5	
G	37.8111	107.6586	9290	-9.0	7.72	7	
G	37.8111	107.6586	9290	-9.0	7.59	7	
G	37.8111	107.6586	9290	-9.0	7.58	10	
G	37.8111	107.6586	9290	-9.0	7.42	10	
G	37.8111	107.6586	9290	-9.0	7.57	8	
G	37.8111	107.6586	9290	-9.0	7.68	12	
G	37.8111	107.6586	9290	-9.0	7.9	11	
G	37.8111	107.6586	9290	-9.0	7.18	6	
G	37.8111	107.6586	9290	-9.0	6.55	0	
G	37.8111	107.6586	9290	41.0	7.22	0	
G	37.8111	107.6586	9290	32.0	7.31	-3	
G	37.8111	107.6586	9290	-9.0	6.63	-1	
G	37.8111	107.6586	9290	-9.0	7.31	0	
	37.8111	107.6586	9290		7.17		5
G	37.8111	107.6586	9290	-9.0	6.91	12	
G	37.8111	107.6586	9290	49.0	7.1	13	
G	37.8111	107.6586	9290	-9.0	7.8	-9	
	37.8111	107.6586	9290		7.13		10
G	37.8111	107.6586	9290	-9.0	7.12	9	
	37.8111	107.6586	9290		7.25		7
	37.8111	107.6586	9290		7.75		7
G	37.8111	107.6586	9290	-9.0	7.3	3	

G	37.8111	107.6586	9290	-9.0	7.46	2	
G	37.8111	107.6586	9290	-9.0	7.25	3	
G	37.8111	107.6586	9290	-9.0	7.16	2	
G	37.8111	107.6586	9290	-9.0	7.35	-9	
G	37.8111	107.6586	9290	-9.0	7.18	4	
G	37.8111	107.6586	9290	-9.0	7.09	2	
	37.8111	107.6586	9290		7.03		9
G	37.8111	107.6586	9290	-9.0	7.29	5	
G	37.8111	107.6586	9290	-9.0	7.52	6	
G	37.8111	107.6586	9290	-9.0	7.53	6	
G	37.8111	107.6586	9290	-9.0	7.55	-9	
	37.8111	107.6586	9290		7.34		12
G	37.8111	107.6586	9290	-9.0	7.31	0	
	37.8111	107.6586	9290		7.51		3
G	37.8111	107.6586	9290	-9.0	7.19	-9	
	37.8111	107.6586	9290		7.49		
G	37.8111	107.6586	9290	-9.0	7.21	4	
G	37.8111	107.6586	9290	-9.0	6.44	3	
G	37.8111	107.6586	9290	-9.0	7.94	4	
G	37.8111	107.6586	9290	-9.0	6.94	12	
G	37.8111	107.6586	9290	60.3	7.23	8.1	
G	37.8111	107.6586	9290	-9.0	6.8	10	
G	37.8111	107.6586	9290	-9.0	7.6	6	
G	37.8111	107.6586	9290	-9.0	7.29	10	
G	37.8111	107.6586	9290	-9.0	7.26	10	
G	37.8111	107.6586	9290	-9.0	7.11	10	
G	37.8111	107.6586	9290	-9.0	6.92	-9	
G	37.8111	107.6586	9290	-9.0	6.03	4	
G	37.8111	107.6586	9290	-9.0	7.13	4	
G	37.8111	107.6586	9290	-9.0	7.45	5	
G	37.8111	107.6586	9290	514.6	6.96	7.40	
G	37.8111	107.6586	9290	-9.0	6.59	4.5	
G	37.8111	107.6586	9290	-9.0	7.37	6	
G	37.8111	107.6586	9290	-9.0	7.63	7	
G	37.8111	107.6586	9290	-9.0	7.36	8	
G	37.8111	107.6586	9290		5.15		
G	37.8111	107.6586	9290	-9.0	7.53	10	
G	37.8111	107.6586	9290	-9.0	7.12	7	
G	37.8111	107.6586	9290	-9.0	7.5		
G	37.8111	107.6586	9290	39.8	7.1	11.0	
G	37.8111	107.6586	9290	-9.0	6.96	-9	
G	37.8111	107.6586	9290	-9.0	7.47	5	
G	37.8111	107.6586	9290	55.0	8.35	2.7	
G	37.8111	107.6586	9290	-9.0	7.07	6	
G	37.8111	107.6586	9290	85.1	7.4	5.0	
G	37.8111	107.6586	9290	-9.0	7.68	3.70	
G	37.8111	107.6586	9290	64.2	7.6	2.0	
G	37.8111	107.6586	9290	-9.0	7.0	7.0	
G	37.8111	107.6586	9290	42.9	7.54	3.0	
G	37.8111	107.6586	9290	-9.0	6.7	2.0	
G	37.8111	107.6586	9290		6.2		
G	37.8111	107.6586	9290	47.4	6.67	0.0	

G	37.8111	107.6586	9290	8.5	6.48	-0.2
G	37.8111	107.6586	9290	-9.0	6.8	1.0
G	37.8111	107.6586	9290	18.1	6.90	0.1
G	37.8111	107.6586	9290		7.6	
G	37.8111	107.6586	9290	-9.0	7.25	4
G	37.8111	107.6586	9290	-9.0	6.92	8
G	37.8111	107.6586	9290	45.1	6.42	3.8
G	37.8111	107.6586	9290	-9.0	7.12	2
G	37.8111	107.6586	9290	25.0	7.4	4.0
G	37.8111	107.6586	9290	-9.0	7.02	11
G	37.8111	107.6586	9290	-9.0	7.65	-9.00
G	37.8111	107.6586	9290	95.5	6.14	3.5
G	37.8111	107.6586	9290	-9.0	7.06	10
G	37.8111	107.6586	9290		7.35	
G	37.8111	107.6586	9290	433.0	7.15	3.3
G	37.8111	107.6586	9290	-9.0	7.21	5
G	37.8111	107.6586	9290	514.0	6.10	3.8
G	37.8111	107.6586	9290	-9.0	7.37	3
G	37.8111	107.6586	9290	238.0	6.45	4.3
G	37.8111	107.6586	9290	-9.0	7.18	4
G	37.8111	107.6586	9290	883.0	6.09	7.6
G	37.8111	107.6586	9290	406.0	6.6	8.0
G	37.8111	107.6586	9290	-9.0	7.3	4.0
G	37.8111	107.6586	9290	451.0	6.95	4.5
G	37.8111	107.6586	9290	580.0	6.85	8.0
G	37.8111	107.6586	9290	-9.0	7.71	3.0
G	37.8111	107.6586	9290	-9.0	7.30	4.0
G	37.8111	107.6586	9290	606.0	6.65	6.5
G	37.8111	107.6586	9290	585.0	6.69	10.4
G	37.8111	107.6586	9290	-9.0	7.36	3.0
G	37.8111	107.6586	9290		7.33	
G	37.8111	107.6586	9290	355.0	6.70	7.1
G	37.8111	107.6586	9290	-9.0	7.58	12.0
G	37.8111	107.6586	9290	324.0	6.79	8.7
G	37.8111	107.6586	9290	232.0	6.64	9.1
G	37.8111	107.6586	9290	-9.0	7.24	7.0
G	37.8111	107.6586	9290	217.0	6.1	9.2
G	37.8111	107.6586	9290		6.7	
G	37.8111	107.6586	9290	-9.0	7.58	22.00
G	37.8111	107.6586	9290	-9.0	7.66	19.0
G	37.8111	107.6586	9290	202.0	6.83	5.7
G	37.8111	107.6586	9290	149.5	6.8	4.7
G	37.8111	107.6586	9290	-9.0	7.6	7.0
G	37.8111	107.6586	9290	115.0	6.42	7.0
G	37.8111	107.6586	9290		7.57	
G	37.8111	107.6586	9290	-9.0	7.62	5.0
G	37.8111	107.6586	9290	44.2	6.48	2.3
G	37.8111	107.6586	9290	-9.0	6.7	1.7
G	37.8111	107.6586	9290	-9.0	7.8	1.0
G	37.8111	107.6586	9290	39.0	5.80	2.5
G	37.8111	107.6586	9290		7.41	
G	37.8111	107.6586	9290	-9.0	7.2	1.3

G	37.8111	107.6586	9290	25.0	5.96	-0.2	
G	37.8111	107.6586	9290	-9.0	7.2	4.0	
G	37.8111	107.6586	9290		7.38		
G	37.8111	107.6586	9290	25.1	7.40	4.5	
G	37.8111	107.6586	9290	-9.0	-9.00	1.0	
G	37.8111	107.6586	9290	-9.0	-9.00	0.0	
G	37.8111	107.6586	9290	29.0	6.61	5	
G	37.8111	107.6586	9290	-9.0	6.32	7.0	
G	37.8111	107.6586	9290	52.0	6.54	7.5	
G	37.8111	107.6586	9290	-9.0	7.19	10.0	
G	37.8111	107.6586	9290	-9.0	7.15	9.0	
G	37.8111	107.6586	9290	168.0	6.98	4.0	
G	37.8111	107.6586	9290		6.95		
G	37.8111	107.6586	9290	-9.0	6.80	11.0	
G	37.8111	107.6586	9290	-9.0	6.96	7.0	
G	37.8111	107.6586	9290	-9.0	7.16	3.0	
G	37.8111	107.6586	9290	449.0	6.81	7.9	
G	37.8111	107.6586	9290	621.0	6.56	2.5	
G	37.8111	107.6586	9290	-9.0	6.57	2.0	
G	37.8111	107.6586	9290	193.0	6.60	9.8	
	37.8111	107.6586	9290		6.57		2
G	37.8111	107.6586	9290	-9.0	6.9	6	
G	37.8111	107.6586	9290	-9.0	7.01	4.0	
	37.8111	107.6586	9290		6.45		2
G	37.8111	107.6586	9290	-9.0	5.88	6.0	
G	37.8111	107.6586	9290	485.0	6.86	5.6	
G	37.8111	107.6586	9290		7.29	-9.00	
G	37.8111	107.6586	9290	325.0	7.00	9.8	
G	37.8111	107.6586	9290	-9.0	6.18	6.0	
G	37.8111	107.6586	9290	-9.0	6.19	7.0	
G	37.8111	107.6586	9290	141.0	6.95	14.0	
G	37.8111	107.6586	9290	72.0	6.1	10	
G	37.8111	107.6586	9290	-9.0	5.76	10.0	
G	37.8111	107.6586	9290	83.0	6.89	8.8	
G	37.8111	107.6586			7.60	-9.00	
G	37.8111	107.6586	9290	-9.0	5.83	13.0	
G	37.8111	107.6586	9290	34.0	7.27	10.6	
G	37.8111	107.6586	9290	62.0	7.65	8	
G	37.8111	107.6586	9290		7.21		
G	37.8111	107.6586	9290	-9.0	6.73	5.0	
G	37.8111	107.6586	9290	39.0	6.63	5	
G	37.8111	107.6586	9290		7.40	-9.00	
G	37.8111	107.6586	9290		6.75		
G	37.8111	107.6586	9290	-9.0	6.69	3	
G	37.8111	107.6586	9290	27.6	7.13	0.4	
G	37.8111	107.6586	9290	-9.0	7.40	4.0	
G	37.8111	107.6586	9290		7.07	-9.00	
G	37.8111	107.6586	9290	-9.0	7.15	3.0	
G	37.8111	107.6586	9290	-9.0	7.14	3.0	
G	37.8111	107.6586	9290	-9.0	7.34	2	
G	37.8111	107.6586	9290	-9.0	7.34	9.0	
G	37.8111	107.6586	9290	58.3	6.90	5.1	

G	37.8111	107.6586	9290		6.81		-9.00
G	37.8111	107.6586	9290	613.0	6.94		6
G	37.8111	107.6586	9290	725.0	7.25		9.5
G	37.8111	107.6586	9290	150.0	5.95		10
G	37.8111	107.6586	9290		7.37		
G	37.8111	107.6586	9290		7.37		
G	37.8111	107.6586	9290	205.0	7.05		11.2
G	37.8111	107.6586	9290		7.11		
G	37.8111	107.6586	9290	-9.0	7.23		12.0
G	37.8111	107.6586	9290	ND	6.87		7
G	37.8111	107.6586	9290	-9.0	7.23		11.0
G	37.8111	107.6586	9290		7.11		
G	37.8111	107.6586	9290	-9.0	8.14		10.0
G	37.8111	107.6586	9290	ND	6.05		2.3
G	37.8111	107.6586	9290	29.0	7	7.2	0
G	37.8111	107.6586	9290	ND	6.1		2.7
G	37.8111	107.6586	9290	-9.0	6.97		4.0
G	37.8111	107.6586	9290	17.0	6.29	7	0.1
G	37.8111	107.6586	9290	-9.0	-9.00		2.0
G	37.8111	107.6586	9290	ND	6.63		3.5
G	37.8111	107.6586	9290	328.0	6.45	7.3	2.3
G	37.8111	107.6586	9290	821.0	6.4		7.4
G	37.8111	107.6586	9290	92.0	7.27	7.9	7
G	37.8111	107.6586	9290	ND	7.12		12.1
G	37.8111	107.6586	9290	106.0	6.64	8.4	272
G	37.8111	107.6586	9290	ND	6.69		7.1
G	37.8111	107.6586	9290		6.7	1.5	267
G	37.8111	107.6586	9290	ND	6.51		2.4
G	37.8111	107.6586	9290		7.1	7.1	
G	37.8111	107.6586	9290	ND	6.28		3.5
G	37.8111	107.6586	9290		7	7.2	0.1
G	37.8111	107.6586	9290	ND	6.31		4.8
G	37.8111	107.6586	9290		6.75	7.7	5.6
G	37.8111	107.6586	9290	ND	6.44		7.6
G	37.8111	107.6586	9290		7.2	7.6	8.8
G	37.8111	107.6586	9290	ND	7.06		22.6
G	37.8111	107.6586	9290		7.7	7.91	7.1
G	37.8111	107.6586	9290	ND	7.14		6.8
G	37.8111	107.6586	9290		7.28	7.52	4.9
G	37.8111	107.6586	9290	ND	6.4		2.2
G	37.8111	107.6586	9290		7.06	7.44	2.2
G	37.8111	107.6586	9290		6.8	7.56	1.7
G	37.8111	107.6586	9290	ND	6.09		6
G	37.8111	107.6586	9290	ND	6.26		5.8
G	37.8111	107.6586	9290		7.46	5.8	6.5
G	37.8111	107.6586	9290	-9.0	7.66		11.0
G	37.8111	107.6586	9290		7.58	7.64	10.3
G	37.8111	107.6586	9290	-9.0	7.42		14.0
G	37.8111	107.6586	9290	ND	6.66		11.8
G	37.8111	107.6586	9290	-9.0	7.46		13.0
G	37.8111	107.6586	9290		7.67	7.78	8.2
G	37.8111	107.6586	9290	-9.0	7.76		10.0

G	37.8111	107.6586	9290	ND	6.23		7.5	
G	37.8111	107.6586	9290	-9.0	7.56		0.0	
G	37.8111	107.6586	9290		7.1		0.2	
G	37.8111	107.6586	9290	-9.0	7.79		0.0	
G	37.8111	107.6586	9290	ND	7.03		3.9	
G	37.8111	107.6586	9290	-9.0	7.42		0.0	
G	37.8111	107.6586	9290	-9.0	7.56		0.0	
G	37.8111	107.6586	9290		7	7.37	0.7	
G	37.8111	107.6586	9290	-9.0	7.54		5.0	
G	37.8111	107.6586	9290	ND	5.94		4.3	
G	37.8111	107.6586	9290	-9.0	7.39		-3.0	
G	37.8111	107.6586	9290	-9.0	7.70		-1.0	
G	37.8111	107.6586	9290	94.9	7.67		3.3	
G	37.8111	107.6586	9290		7.3	7.19	3.3	
	37.8111	107.6586	9290			7.37		4
G	37.8111	107.6586	9290	206.5	7.55		9.1	
G	37.8111	107.6586	9290		7.2	7.43	9.1	
G	37.8111	107.6586	9290	-9.0	7.70		12.0	
G	37.8111	107.6586	9290	132.0	7.65		5.6	
G	37.8111	107.6586	9290		7	7.67	5.6	
G	37.8111	107.6586	9290	-9.0	7.68		8.5	
G	37.8111	107.6586	9290		7.3	7.78	0	
G	37.8111	107.6586	9290	-9.0	7.28		0.0	
G	37.8111	107.6586	9290	54.0	7.30		0.2	
G	37.8111	107.6586	9290	54.0	7.3	7.56	0.2	
G	37.8111	107.6586	9290	-9.0	7.26		6.0	
G	37.8111	107.6586	9290	210.0	7.00		3.3	
G	37.8111	107.6586	9290	210.0	7	7.5	3.3	
G	37.8111	107.6586	9290	-9.0	7.88		9.0	
G	37.8111	107.6586	9290	-9.0	7.58		8.0	
	37.8111	107.6586	9290			7.02		5.8
G	37.8111	107.6586	9290	169.3	7.02	7.61	5.8	
G	37.8111	107.6586	9290	-9.0	7.57		10.0	
G	37.8111	107.6586	9290	31.0	7.25	7.48	6.4	
	37.8111	107.6586	9290			7.68		10
G	37.8111	107.6586	9290	-9.0	7.66		6.0	
G	37.8111	107.6586	9290	ice	7.26		2	
G	37.8111	107.6586	9290	42.4	7.14		2	
G	37.8111	107.6586	9290	ice	7.49		1	
G	37.8111	107.6586	9290	ice	7.23		1	
G	37.8111	107.6586	9290	ice	7.06		0	
G	37.8111	107.6586	9290	ice			6.5	2.4
G	37.8111	107.6586	9290	ice	7.16		1	
G	37.8111	107.6586	9290	ice	7.31		1	
G	37.8111	107.6586	9290	86.0	6.9		3.2	
G	37.8111	107.6586	9290		85.0		6.9	3.2
	37.8111	107.6586	9290			7.23		8
	37.8111	107.6586	9290			7.33		7.2
G	37.8111	107.6586	9290		365.0		6.7	7.2
G	37.8111	107.6586	9290			7.68		11.5

<b>G</b>	<b>37.8111</b>	<b>107.6586</b>	<b>9290</b>	<b>45.0</b>	<b>5.88</b>	<b>5.4</b>
G	37.8111	107.6586	9290		7.15	5.4
G	37.8111	107.6586	9290	41.0	7.15	5.4
G	37.8111	107.6586	9290	109	8.18	10
G	37.8111	107.6586	9290	64	7.76	1.1
G	37.8111	107.6586	9290	64.0	7.22	1.1
G	37.8111	107.6586	9290		7.3	1.5
G	37.8111	107.6586	9290		7.11	0
G	37.8111	107.6586	9290	29.0	7.11	7.76
G	37.8111	107.6586	9290	30.0	6.9	1
<b>G</b>	<b>37.8111</b>	<b>107.6586</b>	<b>9290</b>	<b>43.0</b>	<b>7.15</b>	<b>0.2</b>
G	37.8111	107.6586	9290		6.3	0.2
G	37.8111	107.6586	9290	44.0	6.3	7.58
<b>G</b>	<b>37.8111</b>	<b>107.6586</b>	<b>9290</b>	<b>43.0</b>	<b>7.24</b>	<b>3.5</b>
G	37.8111	107.6586	9290		7.24	3.5
G	37.8111	107.6586	9290		6.41	3.2
G	37.8111	107.6586	9290	170.0	6.41	7.29
G	37.8111	107.6586	9290	464.0	6.37	7.11
<b>G</b>	<b>37.8111</b>	<b>107.6586</b>	<b>9290</b>	<b>624.0</b>	<b>7.05</b>	<b>5</b>
G	37.8111	107.6586	9290		7.05	5
G	37.8111	107.6586	9290		7.74	6.9
G	37.8111	107.6586	9290	171.0	6.7	7.51
<b>G</b>	<b>37.8111</b>	<b>107.6586</b>	<b>9290</b>	<b>137.0</b>	<b>7.44</b>	<b>9</b>
G	37.8111	107.6586	9290		7.44	9
<b>G</b>	<b>37.8111</b>	<b>107.6586</b>	<b>9290</b>	<b>73.0</b>	<b>7.74</b>	<b>8</b>
G	37.8111	107.6586	9290		7.74	8
G	37.8111	107.6586	9290	73.0	6.3	7.98
G	37.8111	107.6586	9290		7.49	7
G	37.8111	107.6586	9290		7.42	0.3
G	37.8111	107.6586	9290	90.0	6.9	6.98
G	37.8111	107.6586	9290		7.23	0
G	37.8111	107.6586	9290		7.15	0
G	37.8111	107.6586	9290		7.42	0
G	37.8111	107.6586	9290		6.73	0.3
G	37.8111	107.6586	9290	22.0	6.73	7.2
G	37.8111	107.6586	9290		6.58	5.5
					<b>5.43</b>	<b>7</b>
G	37.8111	107.6586	9290	339.0	6.59	6.69
					6.77	5.2
					7.13	7
G	37.8111	107.6586	9290	489.0	7.6	9.91
G	37.8111	107.6586	9290	177.0	7.1	7.55
					7.02	9
					7.4	12
G	37.8111	107.6586	9290	64.0	7.15	7.45
					6.53	9.1
M	37.8111	107.6586	9290		7.11	6



					6.25	7.5	
G	37.8111	107.6586	9290	na	7.03	7.16	0.6
					5.91		2
	37.8111	107.6586	9290		6.83	7.26	0.4
	37.8111	107.6586	9290	80.0	6.8	7.41	0.1
	37.8111	107.6586	9290		6.83	7.54	3.9
					6.83		3.9
					7.38		8.5
	37.8111	107.6586	9290	393.0	7.63	7.28	5.3
					7.6		7
					7.55		10
	37.8111	107.6586	9290	69.0	8.03	7.06	7.9
				69	8.03		7.9
					7.78		8.5
	37.8111	107.6586	9290		6.18	7.43	0.2
					6.12		0.2
					7.47		1.5
G	37.8111	107.6586	9290	-9	7.45	7.42	1.4
					7.45		1.4
					7.3		3
G	37.8111	107.6586	9290	562	7.87	7.41	2.6
				562	7.26		2.6
				508	7.15		5.08
					7.48		6
				272	7.51		7.21
	37.8111	107.6586	9290		7.46		7.4
G	37.8111	107.6586	9290	318	7.96	7.48	7.4
					7.61		9.43
				318	7.46		7.4
				43	7.18		8.79
G	37.8111	107.6586	9290	73	8.32	7.54	7.1
					7.85		10
				42	7.21		5.26
					7.03		5
				25.7	7.23	7.6	0.1
					7.21		1
				28.3	6.52		0.05
					7.25		0
	37.81121	107.65926		----	6.74		-0.05
					7.95		1.5
				18.9	6.82		2.13
	37.81121	107.65926	9248	50	6.85		2.08
					7.83		2

				131.1	6.9	7.4	2.6
				131.1	6.43		2.6
	37.81121	107.65926	9248	517	6.98		4.06
					7.8		6.5
				125	6.75	7.06	7.6
				125	6.75		7.6
				81.0	6.92		8.61
					7.59		9.5
				73	7.09	7.56	8.2
					7.09		8.2
	37.81121	107.65926	9248	44.0	7.52		6.74
					6.67		6
				36.0	7.26		0.78
				58	7.4	7.7	1.5
				58	7.4		1.5
					8.14		1.5
					6.87		2
M					6.87	7.3	2.2
					7.7		1
					6.79		0.1
M				42	6.79	7.56	0.1
				23.0	7.18		2.33
					8.11		5
M				35	7.1	7.49	2.2
					7.71		8
					6.96		9
				666	7.28		8.60
					7.93		10.5
				339	7.42		8.48
					7.7		11
				67.0	7.20		8.87
					7.96		7.5
M				51	7.22	7.58	7.5
				40.0	7.39		7.79
					7.48		2
				46.0	6.87		1.69
					6.91		0.4
M				96	7	7.62	
					8.14		0
	<b>G</b>	<b>37.8114</b>	<b>107.6586</b>	<b>9290</b>	<b>55.0</b>	<b>8.35</b>	
	G	37.8111	107.6586	9320		7.85	0.5
in Handness	G	37.8111	107.6586	9320		6.05	0.5
	G	37.8111	107.6586	9320		7.39	1
	G	37.8111	107.6586	9320		7.45	
	G	37.8111	107.6586	9320		7.8	4
						7.37	

G	37.8111	107.6586	9320		7.97	6.5
G	37.8111	107.6586	9320		7.77	10.6
G	37.8111	107.6586	9320		8.09	12
				29	7.42	
				29	7.67	
				29	7.24	
G	37.8111	107.6586	9320		8.05	8.5
				28	5.79	
				28	5.54	
G	37.8111	107.6586	9320		6.05	2.5
30 G	37.8111	107.6586	9320		6.39	0.5
	37.8111	107.6586	9320		5.7	0
	37.8111	107.6586	9320		5.81	0
	37.8111	107.6586	9320		5.18	0
	37.8111	107.6586	9320		7.64	5.5
				309	7.39	
	37.8111	107.6586	9320		7.73	10.5
	37.8111	107.6586	9320		7.85	16.5
	37.8111	107.6586	9320		7.98	7.5
	37.8111	107.6586	9320		7.6	11
	37.8111	107.6586	9320		7.83	9
	37.8111	107.6586	9320		7.97	1.5
	37.8111	107.6586	9320		7.56	0
	37.8111	107.6586	9320		6.2	0
	37.8111	107.6586	9320		6.18	0.5
	37.8111	107.6586	9320		6.13	0.5
	37.8111	107.6586	9320		7.44	4.5
	37.8111	107.6586	9320		7.5	1
	37.8111	107.6586	9320		7.46	6
	37.8111	107.6586	9320		7.54	1
	37.8111	107.6586	9320		7.42	3.5
	37.8111	107.6586	9320		7.41	1.75
	37.8111	107.6586	9320		7.47	5
	37.8111	107.6586	9320		7.68	0.5
	37.8111	107.6586	9320		7.53	1
	37.8111	107.6586	9320		7.38	7
	37.8111	107.6586	9320		7.38	1
	37.8111	107.6586	9320		7.55	6
	37.8111	107.6586	9320		7.56	2
	37.8111	107.6586	9320		7.53	2.5
					7.09	
	37.8111	107.6586	9320		7.52	9

37.8111	107.6586	9320		8.12	10.5
37.8111	107.6586	9320		7.79	11.5
37.8111	107.6586	9320		7.72	9.5
			108	7.71	
37.8111	107.6586	9320		7.61	2
37.8111	107.6586	9320		7.64	2.5
37.8111	107.6586	9320		7.04	2

field Cond.	lab cond.	HARD_MGField Alk as CaCO3=	Phen_Alk Mg/l	Total alk. Mg/l	ACIDITY	CA_TOT_NCA_DIS_MCa as CaCC	Totals
265		121		-9	-9	-9.0	110
245		97		-9	-9	-9.0	88
231		87		-9	-9	-9.0	78
222		77		-9	-9	-9.0	68
227		86		-9	-9	-9.0	77
		180		32			-9
		184		56			-9
		192		32			-9
		188		28			-9
		208		28			-9
		20		20			-9
		64		24			-9
		102		16			-9
		72		20			-9
		80		20			-9
		72		18			-9
		62		18			-9
		74		20			-9
		68		18			-9
		54		46			-9
		58		18			-9
-9		57		24	-9	-9.0	-9
-9		55		-9	-9	-9.0	-9
-9		58		-9	-9	-9.0	-9
		80		24			-9
		96		24			-9
		90		28			-9
		112		10			-9
		-9		30			-9
				0	2		
		136		32			
		154		32			
-9		152		-9	-9	-9.0	140
-9		152		-9	-9	-9.0	140
		154		34			-9
		36		22			23
		38		30			19
		180		54			-9
		180		28			16
		200		26			
		36		28			
		200		8			
		-9		6			
		128		4			
		78		14			

	72		10			
	58		24			
	-9		18			
	56		12			23
	48		24			19
	66		20			16
176	71		-9	-9	-9.0	65
	72		12			64
186	70		-9	-9	-9.0	64
	78		8			
	84		16			
	108		42			-9
	148		30			-9
	150		20			
	162		14			
	174		26			
	20		38			
			26			
	200		28			
			24			
			24			
	130		10			
	90		26			
	8		16			
	68		16			
	80		0	14		
	48		22			
	40		12			
	54		12			
	50		12			
	98		20			
	122		22			
	104		16			
	120		8			
	134		28			
	104		20			
	116		24			
	144		22			
279			0	0	52.0	0.0
	200		4			
	72		6			
			24			
			24			
	180		0	28		
	182		24			
	-9		22			
374	-9		-9	-9	44.0	-9.0
	84		0	22		
			22			
	80		0	18		
	40		0	16		
	-9		28			

	172		24			
	-9		22			
	64		10			
111	-9		24	-9	15.0	-9.0
	58		4			
	160		12			
		46	0	10		
	52		16			
	124		22			
	94		4			
237	-9		32	-9	39.0	-9.0
		104	0	18		
	124		8			
		24	0	24		
352	-9		36	-9	62.0	-9.0
		366	0	16		
	52		24			
	228		16			
	40		20			
	8		30			
233			28	-1	53.0	-9.0
	58		24			
	16		20			
	106		14			
	60		12			
	46		16			
102	-9		18	-1	16.0	-9.0
	82		18			
	56		12			
	-9		10			
140.00	74.40		-9.00	-9.00	26.8	-9.0
	98		22			
	62		12			
	70		26			
	70		20			
228			26	-1	32.0	
	82		48			
	118		24			
283.0			34.0	-1.0	51.0	
180.0	152.0		-9.0	-9.0	56.0	-9.0
	148		32			
	124		8			
273	125					46.0
	124		20			
220.0	130.0		-9.0	-9.0	47.5	-9.0
	128.00		30.00			
250.0	152.0		-9.0	-9.0	55.8	-9.0
	160.0		26.0			
311		33.4			50.9	52.4
300.0	169.0		-9.0	-9.0	62.2	-9.0
283.0			38.0	<.02	67.0	-9.0
361		33.8			59.1	56.1

433		35.0			70.6	69.2
310.0	161.0		-9.0	-9.0	59.5	-9.0
360		24.0			58.7	60.1
430.0			36.0	-1.0	75.0	
	170		20			
	180		16			
349		31.0			51.7	44.8
	168		24			
300.0	180.0		-9.0	-9.0	64.6	-9.0
	-9		14			
	122.00		26.00			
284		23.1			41.3	41.9
	-9		12			
227			28	-1	33.0	
144			20.7		24.3	24.9
	66		22			
129			20.0		20.3	21.6
	140		32			
164			23.0		25.9	27.1
	62		24			
138		16.0			15.7	16.9
130.0	56.0		-9.0	-9.0	20.1	-9.0
	78.0		18.0			
152		20.5			19.6	21.8
128		20.5			19.1	20.8
	40.0		20.0			
	98.0		14.0			
117		20.5			18.5	18.5
119		19.0			17.3	19.2
	70.0		12.0			
148			22	-1	21.0	
130		21.0			19.7	20.7
	72.0		16.0			
136		23.0			19.5	23.0
182		26.5			24.3	27.8
	20.0		8.0			
130.0	87.0		-9.0	-9.0	31.6	-9.0
328			32	-1	43.0	
	126.00		34.00			
	110.0		60.0			
185		36.0			29.7	29.1
210.0	121.0		-9.0	-9.0	44.1	-9.0
	116.0		4.0			
245		31.0			14.4	35.6
267			34	-1	48.0	
	220.0		4.0			
295		29.5			16.7	49.6
270.0	163.0		-9.0	-9.0	60.0	-9.0
	184.0		6.0			
343		24.5			58.9	55.8
371			48	-1	65.0	
300.0	-9.0		-9.0	-9.0	-9.0	-9.0



320		31.0			57.7	60.3
	224.0		4.0			
355			44	-1	63.0	
406		26.5			59.1	57.3
	168.0		10.0			
	190.0		2.0			
300	210					
	194.0		18.0			
357		31.0			62.8	56.5
	118.0		20.0			
	134.0		16.0			
205		16.0			29.3	36.2
195			28	-1	36.0	
	86.0		18.0			
	102.0		14.0			
	66.0		18.0			
127		24.0			22.1	20.9
106		15.0			19.2	18.3
	100.0		14.0			
147		23.0			21.9	24.3
	100		0	14		
120	73					26.4
	110.0		24.0			
	66		0	18		
	50.0		14.0			
114		25.0			17.2	18.9
76.00			20.00	-1.00	18.0	-9.0
133		21.0			19.4	21.5
	52.0		22.0			
	90.0		14.0			
181		21.0			29.6	28.5
180	104					
	182.0		2.0			
233	108					39.3
226.00	-9.00	-9.00	34.00	-1.00	46.0	-9.0
	130.0		28.0			
295		33.0			49.6	49.0
240	135					
273			36	-1	52.0	
	58.0		34.0			
260	297					109.0
390.00	-9.00	-9.00	34.00	-1.00	61.0	-9.0
349			34	-1	61.0	
310	238					
360		27.0				62.3
	198.0		2.0		-9.0	-9.0
305.00	-9.00	-9.00	34.00	-1.00	63.0	-9.0
	32.0		12.0		-9.0	-9.0
			18.0		-9.0	-9.0
300	158					
	96.0		22.0		-9.0	-9.0
323		29.0				52.4

315.00				28.00	6.00	54.0	-9.0
100		53					
104		48.9					17.5
110		55					
166	170			30	<5	25.0	
166				30	<5	25.0	
194			31.0				31.1
145				38	<5	30.0	
		140.0	0.0	8.0		37.4	36.1
230		132					
		13.0	0.0	24.0		45.6	22.4
303				33	<5	53.0	
		10.0	0.0	16.0		56.3	56.2
260		175					
330	380	173.4		34	<5	64.0	
330		216					
		188.0	0.0	10.0		64.6	56.8
342	400	197.9		36	<5	73.0	
		204.0	0.0	24.0		63.9	59.7
330		181					
136	160	71.9		30	<5	26.0	
100		56					
180	220	103.9		23	<5	38.0	
240		127					
	300	131.8		28	<5	47.0	
250		145					
	310	131.8		22	<5	48.0	
300		155					
420	420	187.9		50	<5	69.0	
290		180					
350	420			32	<5		66.0
320		169					
170	190	78.2		32	<5	28.0	
100		55					
151	160	69.4		27	<5	25.0	
190		88					
270	<b>290</b>	<b>123.9</b>		<b>42</b>	<b>&lt;10</b>	<b>45.0</b>	
280		159					
334	<b>360</b>	<b>160.9</b>		<b>36</b>	<b>&lt;10</b>	<b>59.0</b>	<b>58.0</b>
320		187					
376	450	217.5		37	NA	80.0	
380	410			<5		71.0	
260		135					
180		90					
122	167.9			25		20.3	
		120.0	0.0	28.0		41.0	39.8
281	287			33		49.5	
		-9.0	0.0	22.0		49.6	48.5
270		142					
		170.0	0.0	34.0		52.0	50.2
340	349			36		62.8	62.2
		156.0	0.0	26.0		47.5	47.1

230		144							
		156.0	0.0	30.0		51.4	50.4		
325				37	<1	66.7			
		188.0	0.0	30.0		57.0	57.1		
320		189							
		-9.0	0.0	30.0		59.6	60.2		
		214.0	0.0	32.0		65.1	64.5		
354	402			35	<1	69.8			
		192.0	0.0	32.0		67.0	65.4		
320		191							
		220.0	0.0	28.0		65.3	64.2		
		170.0	0.0	28.0		48.6	47.4		
		122.0	0.0	24.0		37.1	36.6		
216	242			27	<1	43.1			
		58	0	16		19.8	0		
		94.0	0.0	22.0		68.2	29.0		
182	198			26	<1	35.7			
		112.0	0.0	24.0		39.2	38.2		
		156.0	0.0	26.0		43.0	40.9		
255	283			30	<1	45.0			
		136.0	0.0	30.0		45.2	44.2		
331	328			38	<1	66.4			
		236.0	0.0	32.0		63.0	62.5		
		208.0	0.0	34.0		66.4	64.6		
373	422			33.4	<1	72.5			
		156.0	0.0	22.0		47.3	48.1		
		96.0	0.0	24.0		30.7	31.0		
174	200			26.4	<1	32.6			
		60.0	0.0	22.0		21.8	20.3		
		64.0	0.0	20.0		21.3	21.1		
		84	0	22		28.8	28.3		
176	208			25	40	32.4			
		136.0	0.0	32.0		59.0	50.9		
300	334			34	<1	59.0			
		164	0	28		50.1	50.2		
		154.0	0.0	22.0		28.8	28.3		
		160	0	30		54.2	52.8		
254					1		58.0		
		180	0	28		56.4	55.0		
		-9	0	32		64.7	64.0		
		190	0	30		63.4	63.6		
	387				<1		72	33	
		188	0	30		61.3	61.2		
		170	0	28		53.5	53.3		
		144	0	26		45.4	45.6		
	286				<1	52	25		
		70		0	16		19.9	19.9	
		70		0	18		21.6	21.3	
142						1		24	23
		128		0	26	49.698	34.515		

		<b>140</b>	<b>0</b>	<b>38</b>	<b>49.698</b>	<b>49.349</b>	
		140	0	38	49.698	49.349	
297				<1	35	50	35
		128	0	28	42.028	41.02	
		<b>6</b>	0	28	44.577	42.82	
266				<1			
		194	0	30	59.738	58.093	
		212	0	28	62.631	60.759	
345	390			<3.13	32	69	
		212	0	24	73.507	72.535	
		<b>203</b>	<b>0</b>	<b>20</b>	<b>73.507</b>	<b>72.535</b>	
			0	20	63.168	62.001	
365	408			<2.53	18	67	
		<b>175</b>	<b>0</b>	<b>30</b>	<b>63.168</b>	<b>62.001</b>	
		40	0	30	55.98	56.129	
			0	16	33.682	30.66	
192	202			<2.34	26	33	
134	136			<2.32	24	21	
		<b>52</b>	<b>0</b>	<b>12</b>	<b>55.98</b>	<b>56.129</b>	
		52	0	12	18.009	17.502	
		94	0	26	30.191	29.966	
	201			<3.38	26	32	
		<b>116</b>	<b>0</b>	<b>28</b>	<b>18.009</b>	<b>17.502</b>	
		116	0	28	34.172	34.172	
		<b>144</b>	<b>0</b>	<b>34</b>	<b>30.191</b>	<b>29.966</b>	
		144	0	34	64.039	43.02	
284	311			<0.095	36	51	
		86	0	24	28.869	28.598	
		100	0	30	41.643	40.564	
250	298			<2.13	37	48	
		184	0	30	53.193	52.504	
		136	0	32	59.028	56.984	
		166	0	32	58.778	55.955	
		190	0	28	53.408	58.688	
348	399			<1		72	33
			0	28	53.408	52.046	
		<b>222</b>	<b>0</b>	<b>2</b>	<b>52.046</b>	<b>52.046</b>	
152	186			<1		25	8
		106	0	16	25.401	25.401	
		56	0	12	17.413	17.413	
125				23.8		20.2	
182	193			<1		32	28
		120	0	14	28.789	28.789	
		128	0	14	29.004	29.004	
291	264			<1		46.4	38
		194	0	10	46.791	46.791	
		128		30	42.8	42.4	

		168	0	8	42.385	42.385		
281	312			<1		48	38	
		236	0	1	52.99	52.99		
348	362			<1	97.0	66.0	35	
					61.973	61.973		
363	412			<1		72.0	35	
					56.723	56.723		
200	215			<1		39.0	30	
		104	0	26	31.204	31.204		
		44	0	18	16.605	16.605		
139	148			<1		24.0	23	
		66	0	20	19.389	19.389		
		92	0	24	29.042	29.042		
260	240			<1		50	34	
		150	0	30	41.237	41.237		
		162	0	30	48.956	48.956		
357	383			<1		74.0	34	
		202	0	30	60.069	60.069		
		204	0	28	57.084	57.084		
368	391	32		<1		70		
		236	0	28	65.234	65.234		
		176	0	24	52.071	52.071		
105	88	22		<5		17		
		52	0	18	18.785	18.785		
113		48.9				17.4		
		60	0	16	20.402	20.402		
157		65.4				23.3		
		74	0	20	27022	26306		
162	175	27		<5		26		
189		84.8				30.5		
		74	0	20	44.659	44.659		
292		135				49.1		
313	285	34		<5		51		
		124	0	30	49.94	49.94		
307		141		<10		51.4		
		126	0	30	51.459	51.459		
321	350				5	59.0	37	
		198	0	30	50.963	50.963		
370		167		<10		60.7		
		168	0	28	58.344	58.344		
411				<10		73.9		
		190	0	30	66.658	66.658		
388		179		<10		65.6		
335						53.6		
		146	0	30	61.441	61.441		

206	220			<5		35.0	31
		110	0	24		34.162	34.162
124		50		<10		17.9	
		58	0	20		17.536	17.536
197	205			<5		34.0	29
		92	0	20		30.939	30.939
222		97		<10		34.9	
		110	0	28		33.469	33.469
279	282			<5		47.0	40
		140	0	34		46.553	46.553
302		144		<10		52.4	
		156	0	34		48.802	48.802
306		154		<10		56.3	
285	310			<5		50.0	40
		180	0	36		50.232	50.232
		168	0	32		51.269	51.269
		184	<.1	32		65	63
303	381			<5		64.0	57
		200	<.1	34		64	64
		216	<.1	36		69	69
382	415			<5		75	36
367		172		<10		61.9	
		168	<.1	32		57	55
301	332			<5		58	31
		120	<.1	26		41	38
		70	<.1	22		23	21
119		53		<10		18.7	
		58	<.1	20		20	20
144		66		<10		23.3	
		94	<.1	26		32	32
252		111		<10		40	
		154	<.1	34		47	43
266	292			<5		46	35
300		140		<10		51	
		160	<.1	34		48	45
289		138		<10		50.2	
		164	<.1	16		52.8	48.8
	320			<5		54	33
		180	<.1	34		58.7	57.8
<b>273</b>	<b>125</b>					<b>46.0</b>	
		224	0	34		58.23	57.243
		200	0	36		60.554	59.858
		194	0	36		61.395	61.094
		112	0	32		36.01	36.064
		82	0	30		28.026	27.616
		72		26		25600	25700

66	0	26	23.169	22.634
126	0	32	43.353	43.312
164	0	36	49.262	48.908
174		35.3	63700	63500
172		37.4	60000	62900
172		31.2	61600	62700
176	0	34	55.036	54.632
173		35.7	61300	63300
174		32.8	62200	63700
180	0	34	72.389	71.407
300	0	38	86.761	82.378
248	0	32	69.347	67.244
228	0	34	73.716	72.369
200	0	30	75.097	72.555
86	0	24	29.69	28.418
		28.7	23900	23800
68	0	20	23.666	21.593
132	0	30	47.793	46.441
108	0	30	39.13	38.089
138	0	32	47.626	46.179
98	0	32	37.249	36.677
136	0	34	47.937	47.09
164	0	32	56.488	54.695
172	0	36	61.496	60.315
184	0	34	65.723	59.973
90	0	34	60.951	60.348
188	0	28	61.889	61.57
188	0	30	61.633	61.816
194	0	28	60.165	59.935
190	0	28	62.472	62.051
176	0	30	60.818	60.31
200	0	30	61.273	60.474
148	0	26	53.222	52.954
136	0	28	53.655	50.255
156	0	30	55.106	52.158
151		35.2	54300	54300
148	0	26	49.135	45.948
138	0	32	45.625	44.026
98	0	28	31.106	29.999
92	0	26	29.415	29.426
132	0	28	40.383	39.298
		20.7	31500	31500
103			37600	37900
63			22600	23000
53			18600	19200
54	0	20	25.109	24.508
50			17500	18200

53			18800	19100
64			22700	23400
70	0	22	22.617	22.005
65			23200	23500
74			26200	27000
92			32500	33600
93			33600	34100
102	0	30	34.501	32.186
138	0	36	66.714	64.672
114			39000	41000
100	0	32	49.517	48.627
142	0	36	43.785	43.578
154	0	36	54.072	53.592



MG_TOT_IMG_DIS_MAL_TOT	AL_DIS	AG_TOT	AG_DIS	AS_TOT	AS_DIS	AU_DIS	B_TOT
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2.6	-9.0	79.0	56.0	<.2	<.2	-9	-9	-9	-9
2.3	-9.0	270.0	95.0	-9	<.2	-9	-9	-9	-9
2.2	-9.0	310.0	83.0	0.4	<.2	-9	-9	-9	-9
2.2	-9.0	110.0	72.0	<.2	<.2	-9	-9	-9	-9
2.2	-9.0	180.0	93.0	<.2	<.2	-9	-9	-9	-9

-9.0	-9.0	-9.0	-1.0	-9	<..05	-9	-9	-9	-9
-9.0	-9.0	-9.0	60.0	-9	<.2	-9	-9	-9	-9
-9.0	-9.0	-9.0	50.0	-9	<.2	-9	-9	-9	-9

3.0	-9.0	-9.0	-1.0	-9	<.2	-9	-9	-9	-9
3.0	-9.0	-9.0	-1.0	-9	<.2	-9	<1	-9	-9

1.5	-9.0	-9.0	-1.0	-9	-9	-9	-9	-9	-9
1.5	-9.0	-9.0	-1.0	-9	-9	-9	-9	-9	-9

2.5	0.0	77.0	-1.0	<.2	<.2	-1	<.5	0	-9
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13.0	13.0	230.0	-1.0	<.2	<.2	-1	<.5	-9	-9
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2.0	-9.0	129.0	88.0	<.2	<.2	-1	<.5	-9	-9
4.0	-9.0	200.0	24.0	<.2	<.2	-1	<.5	-9	-9
4.0	-9.0	230.0	185.0	<.2	<.2	-1	<.5	-9	-9
2.9	-9.0	300.0	-1.0	<5	<5	-1	<5	-9	-9
1.1	-9.0	500.0	-1.0	<5	<5	-1	<5	-9	-9
1.9	-9.0	-9.0	80.0	-9.000	-9.000	-9.000	-9.000	-9.000	-9.000
1.8		-1.0	-1.0	<5	<5	-1	<5		
2.5		-1.0	-1.0	<5	<5	-1.0	<5		
2.9	-9.0	-9.0	<50	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
2.5		69.0	0.0			0	0		
2.7	-9.0	-9.0	60.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
3.0	-9.0	-9.0	50.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
2.8	2.9	140.5	78.5			0.0	0.0		
3.3	-9.0	-9.0	100.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
		200.0	<100	<5	<5	<5	<5	-9.0	-9.0
3.2	3.0	197.0	88.6			0.0	0.0		

3.7	3.5	213.3	79.0			0.0	0.0		
3.1	-9.0	-9.0	60.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
3.2	3.2	162.2	118.7			0.0	0.0		
3.6		200.0	-1.0	<5	<5	-1.0	<5		
3.2	2.7	339.2	114.8			0.0	0.0		
3.7	-9.0	-9.0	<50	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
2.6	2.6	219.5	133.2			0.0	0.0		
2.1		300.0	-1.0	<5	<5	-1	<5		
1.7	1.6	554.9	134.8			0.0	0.0		
1.4	1.4	130.4	113.7			0.0	0.0		
1.7	1.7	94.8	106.8			0.0	0.0		
1.3	1.1	472.6	91.5			0.0	0.0		
1.4	-9.0	-9.0	<50	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
1.3	1.4	104.8	<40			0.0	0.0		
1.3	1.4	67.3	60.3			0.0	0.0		
1.3	1.2	51.5	<40			0.0	0.0		
1.2	1.3	<40	<40			0.0	0.0		
1.4		100.0	-1.0	<.1	<.1	-1	<5		
1.3	1.4	<40	<40			0.0	0.0		
1.3	1.6	44.8	48.2			0.0	0.0		
1.6	1.9	<40	<40			0.0	0.0		
2.0	-9.0	-9.0	<50	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
2.5		-1.0	-1.0	<.1	<.1	-1	<5		
2.0	2.0	124.3	90.2			0.0	0.0		
2.7	-9.0	-9.0	<50	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
2.1	2.1	<40	<40			0.0	0.0		
2.6		100.0	-1.0	<.1	<.1	-1	<5		
2.5	2.7	<40	<40			0.0	0.0		
3.2	-9.0	-9.0	<50	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
3.2	3.1	114.4	<40			0.0	0.0		
3.1		-1.0	-1.0	<.1	<.1	-1	<5		
-9.0	-9.0	-9.0	50.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0

3.2	3.3	147.8	<40			0.0	0.0		
3.4		-1.0	-1.0	<.1	<.1	-1	<5		
3.2	3.2	145.3	65.7			0.0	0.0		
			120.0						
3.7	3.3	374.3	168.9			0.0	0.0		
1.9	2.1	163.6	117.7			0.0	0.0		
2.2		180.0	-1.0	<5	<5	-1	<5		
1.4	1.3	344.8	73.9			0.0	0.0		
1.3	1.1	538.8	67.3			0.0	0.0		
1.7	1.5	108.3	79.8			0.0	0.0		
	1.7		<50						
1.2	1.2	137.5	64.2			0.0	0.0		
1.3	-9.0	180.0	-1.0	<.1	<.1	-1.0	<5	-9.0	-9.0
1.3	1.4	107.9	68.1			0.0	0.0		
1.7	1.8	95.4	44.4 <50			0.0	0.0		
2.7	2.4 -9.0	160.0 -1.0	BDL -1.0	BDL <.1	<.2 <.1	1 -1.0	<1 <5	-9.0	-9.0
2.8	2.8	127.1	79.8 <50			0.0	0.0		
3.0		-1.0	-1.0	<5	<5	-1	<5		
	6.1		120.0						
3.2	-9.0	130.0	0.1	<5	<5	-1.0	<5	-9.0	-9.0
3.2		130.0	70.0 <50	<5	<5	-1	<5		
	3.3	0.0	<40			0.0	0.0		
-9.0	-9.0	-9.0	-9.0			-9.0	-9.0		
3.4	-9.0	140.0	-1.0	<5	<5	-1.0	<5	-9.0	-9.0
-9.0	-9.0	-9.0	-9.0			-9.0	-9.0		
-9.0	-9.0	-9.0	-9.0			-9.0	-9.0		
			80.0						
-9.0	-9.0	-9.0	-9.0			-9.0	-9.0		
	3.1	0.0	<40			0.0	0.0		

3.3	-9.0	390.0	-1.0 70.0	<5	<5	-1.0	<5	-9.0	-9.0
	1.3	437.0	BDL 50.0	BDL	<.2	BDL	<1		
1.8		180.0	<100	<.1	<.1	<5	<5		
1.8		180.0	<100	<.1	<.1	<5	<5		
	2.0		85.1						
2.1		100.0	<100	<.1	<.1	<5	<5		
2.7	2.6	172.0	62.0 80.0			<15	<15		
3.1	1.7	418.0	209.0			<15	<15		
2.9		140.0	100.0	0.0001	<.1	<1	<1		
3.7	3.7	166.0	159.0 <50			<15	<15		
3.3		<100	<100 <50	<.1	<.1	<1	<1		
4.0	3.7	194.0	65.0			<15	<15		
3.8		120.0	<100	<.2	<.2	<1	<1		
4.0	3.9	138.0	79.0 <50			<15	<15		
1.7		260.0	57.0 <50	<1	<1	<10	<10		
2.2		90.0	51.0 <50	<1	<1	<10	<10		
3.5		210.0	<45 60.0	<1	<1	<1	<1		
2.9		190.0	<45 <50	<.1	<.1	<1	<1		
3.8		<45	<.062 <50	0.1	<.1	<1	<1		
	3.7	<20	<45 110.0	<.1	<.1	<1	<1		
2.0		600.0	<230 50.0	0.1	<.1	2	<1		
1.7		<500	<100 90.0	<.1	<.1	<5	<5		
<b>2.8</b>		<b>&lt;100</b>	<b>&lt;100</b> <50	<b>&lt;.1</b>	<b>&lt;.1</b>	<b>&lt;5</b>	<b>&lt;5</b>		
<b>3.3</b>	<b>3.3</b>	<b>&lt;100</b>	<b>&lt;100</b> 50.0	<b>&lt;.1</b>	<b>&lt;.1</b>	<b>&lt;5</b>	<b>&lt;5</b>		
4.3		<500	<100	<.1	<.1	<5	<5		
3.8		<100	<100 <50 <50	<.1	<.1	<1	<1		
	4.5	23.0	<3	<.2	<.2	<1	<1		
2.7	2.6	81.0	43.0			<15	<15		
3.1		<100	<100	<.9	<.1	<1	<1		
3.2	3.1	136.0	66.0 <50			<15	<15		
3.4	3.2	80.0	60.0			<15	<15		
3.7		70.0	41.0	<1	<1	<1	<1		
3.3	3.3	86.0	48.0			<15	<15		

			70.0					
3.4	3.4	77.0	59.0			<15	<15	
3.9		101.0	60.0	<1	<1	<1	<1	
3.4	3.4	121.0	78.0			<15	<15	
			<50					
3.9	3.9	147.0	33.0			<15	<15	
3.9	3.9	157.0	70.0			<15	<15	
4.1		108.0	40.0	<1	<1	<1	<1	
4.1	4.1	124.0	53.0			<15	<15	
			<50					
4.1	4.0	164.0	47.0			<15	<15	
3.3	3.2	181.0	104.0			<15	<15	
2.5	2.5	104.0	45.0			<15	<15	
2.9		140.5	19.9	<0.2	0.6	<1	<1	
1.5	0	328	0				0	0
4.6	2.2	80.0	0.0			<15	<15	
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3.2		309.0				<1		
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3.7		150.0	58.0	0.6	<.2	<1	<1	
3.9	3.9	147.0	29.0			<15	<15	
4.2	4.0	128.0	36.0			<15	<15	
4.1		127.0	45.0	<.2	<.2	<1	<1	
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1.4	1.4	170.0	52.0			<15	<15	
1.6	1.7	120	60				0	0
2.3		102.0	34.0	<.2	<.2	<1	<1	
4.3	4.0	159.0	<15			<15	<15	
4.0		134.0	87.0	<.2	<1	<1	<2	
3.5	3.5	132	79				0	0
1.6	1.7	120.0	60.0			<15	<15	
3.4	3.4	115.0	49.0			<15	<15	
	4.0	119.0	52.0	0.2	0.2	1	1	
3.7	3.7	117.0	70.0			<15	<15	
3.5	3.6	123.1	109.2			<15	<15	
3.8	3.9	278.2	107.5			<15	<15	
	4	220	34	<.2	<.2	<1	<1	
3.8	3.8	298.6	119.1			<15	<15	
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4		306	66	<1	<.2	<1	<1	
	1.5	1.4	252	48			0	0
	1.5	1.5	133	55			0	0
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2.961	2.83	184	128			<15	<15
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	3	126	63	<1	<1	<1	<1
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	4	137	65	0.5	0.3<1	<1	
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4.262	4.151	162	119			<15	<15
	4	173	76<0.2	<0.2	<1	<1	
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3.938	3.931	317	100			<15	<15
2.24	2.056	145	96			<15	<15
	2	160	71<0.2	<0.2	<1	<1	
	2		46	<0.2		<1	
<del>3.938</del>	<del>3.931</del>	<del>317</del>	<del>100</del>			<del>0</del>	<del>0</del>
1.177	1.066	272	63			<15	<15
2.084	2.102	142	68			<15	<15
	2	141	44	0.3<0.2	<1	<1	
<del>1.177</del>	<del>1.066</del>	<del>272</del>	<del>63</del>			<del>0</del>	<del>0</del>
2.32	2.235	161	63			<15	15
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4.874	2.846	27	48			<15	<15
	3	109	46<0.2	<0.2	<1	<1	
1.976	1.817	194	59			<15	<15
2.782	2.689	133	57			<15	<15
	3	166	65<0.2	<0.2	<1	<1	
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3.792	3.64	130	89			<15	<15
3.872	3.502	170	109			<15	<15
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	4	137	66<.2	<.2	<1	<1	
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	2	246	79<.2	<.2	<1	<1	
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0.996	0.842	339	39.5			0	0
	1.55	160<100				<4	<4
	2	105	42<.2	<.2	<1	<1	
1.743	1.643	131	48			0	0
1.873	1.618	650	58			0	0
	2.9	100	100<10	<10	<1	<1	
2.869	2.83	141	54			64	57
2.53	2.512	152	75			41	54



2.53	2.512	152	75			41	54
	3	108	51<.2	<.2	<1	<1	
3.09	3.069	132	79			218	274
4.0	97.0	49.0	<.2	<.2	<1	<1	
7.354	3.566	20	40			100	69
4.0	273.0	68.0	<.4	0.8	1	<1	
5.516	5.349	530	134			253	51
3.0	301.0	47.0	<.2	<.2	<1	<1	
2.336	2.215	260	99			0	0
1.484	1.211	1119	34			0	0
2.0	146.0	33.0	<.2	<.2	3	<1	
1.527	1.415	126	43			0	0
2.086	1.977	116	61			0	0
	3	102	48<.2	<.2	<1	<2	
2.663	2.629	100	72			0	0
3.317	3.071	119	81			0	0
4.0	138.0	55.0	<.2	<.2	<1	<1	
3.84	3.585	80	25			0	0
3.435	3.487	128	73			0	0
	4	243	88<.2	<.2	<1	<1	
3.965	3.964	225	65			0	0
3.326	3.285	341	87			0	0
	1	1630	23<.2	<.2		3<1	
1.773	1.373	1455	32			0	0
	1.32	1010	<100	<0.5	<0.5	<4.0	<4.0
1.559	1.492	145	37			0	0
	1.75	165	<100	<0.5	<0.5	<4.0	<4.0
1693	1759	96	37			0	0
	2	75	43<.2	<.2	<1	<1	
	2.1	117	<100	<0.5	<0.5	<4.0	<4.0
2.669	2.628	68	50			0	0
	3.01	120	<100	<0.5	<0.5	<4.0	<4.0
	4	181	58<.2	<.2	<1	<1	
4.256	4.103	87	37			0	0
	3.14	134	<100	<0.5	<0.5	<4.0	<4.0
3.491	3.266	124	78			0	0
	3.0	120.0	109.0<.2	<.2	<1	<1	
14.372	11.603	181	20			0	0
	3.64	189	103	<0.5	<0.5	<4.0	<4.0
3.52	3.352	140	68			0	0
	4.13	269	141	<0.5	<0.5	<4.0	<4.0
3.582	3.413	196	122			0	0
	3.81	177	<100	<0.5	<0.5	<4.0	<4.0
	3.49	368	<100	<0.5	<0.5	<4.0	<4.0
4	3.802	317	210			0	0

	2.0	140.0	65.0<.2	<.2	<1	<1	
2.197	2.088	159	85			0	0
	1.31	348	<100	<0.5	<0.5	<4.0	<4.0
1.25	1.172	353	36			0	0
	2.0	60.0	37.0<.2	<.2	<1	<1	
2.041	2.128	73	42			0	0
	2.31	<100	<100	<0.5	<0.5	<4.0	<4.0
2.878	2.601	158	67			0	0
	3.0	90.0	35.0<.2	<.2	<1	<1	
2.781	2.81	88	44			0	0
	3.25	124	<100	<0.5	<0.5	<4.0	<4.0
2.917	2.71	78	55			0	0
	3.27	101	<100	<0.5	<0.5	<4.0	<4.0
	3.0	80.0	46.0<.2	<.2	<1	<1	
2.814	2.845	79	44			0	0
3.463	3.113	115	86			0	0
4	4	75	33			<15	<15
	4.0	9.0	25.0<.2	<.2	<1	<1	
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	4.1	275	<100	<0.5	<0.5	<4.0	<4.0
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2	3	447	96			<15	<15
1	1	299	35			<15	<15
	1.5	540	<100	<0.5	<0.5	<4.0	<4.0
1	1	140	37			<15	<15
	1.8	217	<100	<0.5	<0.5	<4.0	<4.0
2	2	76	39			<15	<15
	2.7	<100	<100	0.5	<0.5	<4.0	<4.0
3	2	52	30			<15	<15
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	3	<100	<100	<0.5	<0.5	<4.0	<4.0
3	3	107	56			<15	<15
	3.1	<100	<100	<0.5	<0.5	<4.0	<4.0
2.9	3.1	96	48			<15	<15
	3	96	48<.2	<.2	<1	<1	
3.2	3.1	161	52			<15	<15

2.5	69.0	-1.0	-9	-9	-1	<6
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3.088	3.109	146	60			0	0
3.131	3.039	145	71			0	0
3.119	3.137	143	78			0	0
2.402	2.366	95	62			0	0
1.817	1.787	90	44			0	0
1810	1800	154	57.2				

1.634	1.649	180	53	0	0
2.55	2.572	56	41	0	0
2.73	2.712	67	47	0	0
3740	3730		62.2		
3650	3690				
3670	3660		53.1		
2.819	2.792	70	64	0	0
3630	3680		51.7		
3680	3700		49.1		
3.432	3.444	91	83	0	0
4.596	4.355	104	86	0	0
3.784	3.666	155	35	0	0
3.821	3.788	181	52	0	0
3.95	3.784	262	63	0	0
1.843	1.834	211	105	0	0
1740	1730	534	93.3		
1.651	1.546	133	55	0	0
2.771	2.699	75	62	0	0
2.782	2.678	309	79	0	0
4.027	3.84	332	69	0	0
2.677	2.723	263	100	0	0
2.797	2.732	148	42	0	0
3.314	3.187	111	30	0	0
3.922	3.853	186	28	0	0
3.934	3.429	194	48	0	0
3.849	3.854	304	49	0	0
4.134	4.136	627	80	0	0
4.034	4.051	552	60	0	0
4.14	4.117	745	93	0	0
4.133	4.165	609	81	0	0
4.058	4.058	607	103	0	0
3.8	3.848	639	86	0	0
3.529	3.434	1122	93	0	0
3.615	3.22	545	100	0	0
3.721	3.31	384	65	0	0
3590	3600	438	82.9		
3.401	2.777	601	111	0	0
3.09	2.945	410	79	0	0
1.868	1.913	335	110	0	0
2.119	2.1	379	115	0	0
2.587	2.515	287	58	0	0
2280	2150	508	112		
2180	1970	219	63.6		
1540	1280	744	57.5		
1470	1130	1350	38.8		
1.789	1.588	644	70	0	0
1360	1160	776	32.5		

1350	1210	348	36.6		
1480	1410	149	38.8		
1.703	1.648	204	79	0	0
1480	1410	135	45.9		
1630	1610	138	48		
1870	1930	89.9	44.5		
1940	1820	95.7	56.4		
2.559	2.291	459	108	0	0
3.397	3.31	120	70	0	0
2720	2790	164	73		
3.106	3.031	316	90	0	0
3.365	3.351	125	60	0	0
3.675	3.702	140	56	0	0

B_DIS	BR_DIS	SB_TOT	SB_DIS	BA_TOT	BA_DIS	BE_TOT	BE_DIS	CO_TOT	CO_DIS
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-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
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-9	0	-9	-9	-9	-9	-9	-9	-9	-9
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-9	-9	5	5	20	21	146	0.65	-1	-1
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-9	-9	3	3	7	6	54	2	-1	-1
-9	-9	3	-1	24	27	-1	-1	-1	-1
-9	-9	-9	-9	26	-9	-1	-9	-9	-9
-9	-9	-1	-1	-1	-1	-1	-1	-1	-1
-9	-9	-1	-1	-1	-1	-1	-1	-1	-1
-9.000	-9.000	-9.000	-9.000	-9.000	-9.000	-9.000	-9.000	-9.000	-9.000
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		0	0	24.9	22.4	0	0	0	0
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
-9.0	-9.0	-9.0	-9.0	25.5 -9.0	26.3 -9.0	<1 -9.0	<1 -9.0	-9.0	-9.0
-9.0	-9.0	<50	<50	<50	<50	<4	<4	<5	<5
				26.2	21.8	<1	<1		

-9.0	-9.0	-9.0	-9.0	29.4	25.6	<1	<1	-9.0	-9.0
				-9.0	-9.0	-9.0	-9.0		
				23.1	21.0	<1	<1		
		-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
-9.0	-9.0	-9.0	-9.0	22.6	18.6	<1	<1	-9.0	-9.0
				-9.0	-9.0	-9.0	-9.0		
				-9.0	-9.0	-9.0	-9.0		
				21.3	20.9	<1	<1	-1	-1
		-1	-1	-1	-1	-1	-1		
				24.5	17.5	<1	<1		
				16.7	17.2	<1	<1	-9.0	-9.0
				17.9	18.5	<1	<1		
				20.6	13.8	<1	<1		
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
				16.0	16.5	<1	<1	-1	-1
				16.4	17.7	<1	<1		
				17.2	14.6	<1	<1		
				14.9	15.8	<1	<1	-1	-1
		-1	-1	-1	-1	-1	-1		
				16.3	15.9	<1	<1		
				15.3	19.4	<1	<1	-9.0	-9.0
				20.4	22.8	<1	<1		
				-9.0	-9.0	-9.0	-9.0		
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
		-1	-1	-1	-1	-1	-1	-1	-1
				24.8	23.4	<1	<1	-9.0	-9.0
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0		
				-9.0	-9.0	-9.0	-9.0		
				5.8	23.1	<1	2.2	-1	-1
		-1	-1	-1	-1	-1	-1		
				-1	-1	-1	-1		
				5.8	24.0	<1	<1	-9.0	-9.0
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0		
				-9.0	-9.0	-9.0	-9.0		
				23.3	25.0	<1	<1	-1	-1
		-1	-1	-1	-1	-1	-1		
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0		



				24.2	25.0	<1	<1		
		-1	-1	-1	-1	-1	-1	-1	-1
				23.4	21.9	<1	1.2		
				25.2	21.5	<1	1.6		
		-1	-1	20.1	19.5	<1	<1		
				-1	-1	-1	-1	-1	-1
				20.8	15.2	<1	<1		
				22.4	14.2	<1	<1		
				17.0	16.2	<1	<1		
-9.0	-9.0	-1.0	-1.0	18.1	13.6	<1	<1		
				-1.0	-1.0	-1.0	-1.0	-1.0	-1
				18.5	15.7	1.2	<1		
				19.8	19.2	<1	<1		
-9.0	-9.0	BDL	BDL	25	24	BDL	BDL	BDL	BDL
		-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1
				26.5	25.7	<1	<1		
		-1	-1	-1	-1	-1	-1	-1	-1
-9.0	-9.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	9.0
		-1	-1	-1	-1	-1	-1	-1	9
				0.0	24.5	0.0	1.4		
-9.0	-9.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	7.0
				0.0	21.0	0.0	1.2		

-9.0	-9.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	7.0
		BDL	BDL	21.6	15	BDL	BDL	BDL	BDL
		<50	<50	<50	<50	<4	<4	<5	<5
		<50	<50	<50	<50	<4	<4	<5	<5
					22.898		<1		
		<5	<5	25	25	<1	<1	<5	<5
		2	<1	26	27	<1	<1	<5	<5
		1	1	25	26	<1	<1	<5	<5
		2	2	27	25	<1	<1	<5	<5
		<5	<5	<50	<50	<1	<1	<5	<5
		<5	<5	21	2	<1	<1	<5	<5
		<5	<5	27	23	<4	<4	<5	<5
		<5	<5	22	22	<4	<4	<5	<5
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		<5	<5	24	25	<1	<1	<50	<5
		<5	<5	23	18	<1	<1	<5	<5
		<5	<5	18	18	<1	<1	<5	<5
		<3	<3	<3	25	<.5	<.5	<3	<3
		<3	<3	25	26	<.5	<.5	8.3	<3
		<3	<3	0.027	0.027	<.5	<.5	<3	<3
		<3		26	27	<.5	<.5	1	1
		<1	<1	29	29	<1	<1	<1	<1

<1	<1	25	26	<1	<1	<1	<1
----	----	----	----	----	----	----	----

<1	<1	27	30	<1	<1	1	1
----	----	----	----	----	----	---	---

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----	----	-------	------	----	----	----	----

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<1	<1	32	29	<1	<1	2	1
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<1	<1	25	26	<1	<1	1	1
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<1	<1	23	19	<1	<1	<1	<1
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<1	<1	20	18	<1	<1	<1	7
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<1	<1	28	25	<1	<1	9	<1
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1	1	23	23	1	1	1	7
---	---	----	----	---	---	---	---

<1	<1		27	25<1	<1	2	10
----	----	--	----	------	----	---	----

<1	<1		22	24<1	<1		2	10
----	----	--	----	------	----	--	---	----

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[Redacted]

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            <1      <1                      25      24      <1      <1                      8      3

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[Redacted]

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[Redacted]

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[Redacted]

[Redacted]

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[Redacted]

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				<1.0	<1.0		
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				<1.0	<1.0		
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				<1.0	<1.0		
<1	<1	26	24<1	<1	<1	<1	
				<1.0	<1.0		
				<1.0	<1.0		
<1	<1	24	25<1	<1	<1		1

-4	-4	24.9	22.4	-4	-4	-4	-4
----	----	------	------	----	----	----	----

26.6	25.5
26.7	25.2
25.4	25.7
25.3	25.3
25.6	24.8

15

21.8	1.44	1.28
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20	0.703	0.576
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25.2

25.7

0.37



CD_TOT	CD_DIS	CU_TOT	CU_DIS	CR_TOT	CR_DIS	CN_TOT_MFE_TOT	FE_DIS	Ferrous
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1.20	1.10	8.00	6.00	-1.00	-1.00	-9.00	99.00	60.00
1.50	1.40	10.00	<4	-1.00	-1.00	-9.00	430.00	54.00
2.10	1.90	18.00	<4	-1.00	-1.00	-9.00	710.00	37.00
1.10	1.10	6.00	4.00	-1.00	-1.00	-9.00	74.00	29.00
1.50	1.40	10.00	<4	-1.00	-1.00	-9.00	230.00	42.00
1.35	1.31	4.80	3.00				0.00	0.00
1.12	1.22	3.20	2.60				0.00	210.00
0.96	0.93	2.60	2.90				161.00	0.00
1.16	1.07	4.10	2.80				204.00	135.00
1.33	1.25	8.90	3.10				185.00	0.00
1.76	1.74	18.00	9.50				1039.00	203.00
1.62	1.65	13.20	7.90				222.00	0.00
1.38	1.34	23.90	14.10				294.00	0.00
1.67	1.54	27.30	17.50				236.00	0.00
1.77	1.71	30.20	23.30				201.00	0.00
1.43	1.35	20.30	11.50				235.00	0.00
1.24	1.18	15.10	9.20				135.00	0.00
1.44	1.42	16.60	11.90				139.00	0.00
1.33	1.21	13.90	9.00				119.00	0.00
1.39	1.29	10.70	6.10				193.00	0.00
1.10	1.12	8.60	5.00				158.00	0.00
1.40	1.40	4.00	6.00	-9.00	-9.00	-9.00	43.00	26.00
1.70	1.70	16.00	6.00	-9.00	-9.00	-9.00	130.00	-9.00
2.10	1.80	21.00	7.00	-9.00	-9.00	-9.00	260.00	-9.00
0.94	0.90	7.40	4.10				0.00	0.00
0.97	0.97	8.30	8.00				0.00	152.00
1.40	1.37	14.00	5.30				134.00	0.00
1.40	1.23	11.10	6.60				159.00	0.00
2.57	2.14	41.40	7.30				2394.00	0.00
1.53		11.9				197		
1.06	0.96	11.40	5.50				781.00	0.00
0.89	0.83	4.50	3.50				117.00	0.00
1.20	1.20	5.00	<4	-9.00	-9.00	-9.00	46.00	-9.00
1.30	1.20	-1.00	2.50	-9.00	-9.00	-9.00	-9.00	-9.00
0.74	0.76	4.00	3.80				112.00	0.00
0.93	0.93	4.00	3.00				142.00	0.00
1.07	1.00	7.30	4.00				255.00	0.00
0.86	0.78	4.30	3.20				263.00	0.00
0.91	0.88	3.80	2.50				217.00	0.00
4.64	4.49	22.50	10.60				551.00	0.00
5.29	5.04	76.80	10.40				5739.00	0.00
5.43	5.27	75.60	10.70				6037.00	409.00
4.81	4.68	37.20	18.00				1916.00	436.00
5.85	4.65	43.80	14.50				1227.00	102.00
3.26	2.92	47.40	12.20				2392.00	0.00

2.53	1.09	51.90	12.90				1037.00	132.00
2.04	1.63	28.70	11.00				865.00	0.00
2.24	2.09	19.60	12.50				130.00	364.00
2.51	1.10	69.60	8.50				1147.00	0.00
1.79	1.47	19.60	6.60				736.00	374.00
1.95	1.04	5.50	5.30				0.00	0.00
0.98	1.04	5.00	6.00	-9.00	-9.00	-9.00	59.00	28.00
1.46	1.26	6.50	3.80				167.00	0.00
1.05	0.98	8.00	<4	-9.00	-9.00	-9.00	58.00	44.00
1.08	1.12	3.50	2.90				0.00	0.00
1.15	0.25	6.00	1.60				0.00	0.00
1.13	1.03	3.80	3.40				0.00	0.00
1.29	1.26	6.40	4.80				250.00	0.00
1.18	1.19	4.90	4.20				112.00	0.00
1.26	1.24	4.50	4.20				154.00	161.00
1.48	1.53	4.30	3.60				168.00	0.00
1.11	1.12	3.50	1.40				142.00	0.00
<.1	<.1	<.1	<.1				0.00	0.00
0.11	2.22	1.30	1.30				594.00	0.00
1.55	-9.00		12.00				542.00	0.00
2.19	1.86	16.70	7.20				1282.00	256.00
2.51	2.30	16.50	11.80				338.00	158.00
<.1	<.1	3.20	<.1				0.00	0.00
2.72	2.38	23.70	14.90				278.00	0.00
1.77	1.59	23.30	16.00				286.00	108.00
1.58	1.44	20.7	16.9				278	151
1.56	1.30	19.20	8.30				431.00	0.00
<.1	<.1	0.00	1.50				0.00	0.00
1.11	1.01	8.00	5.30				146.00	0.00
0.98	0.91	8.30	4.90				158.00	0.00
0.86	0.86	5.10	4.90				104.00	107.00
0.98	0.94	5.60	3.90				132.00	0.00
0.89	0.84	4.70	4.10				194.00	126.00
1.06	0.86	2.80	2.50				118.00	0.00
1.07	1.09	2.50	1.80				125.00	0.00
1.07	1.06	5.10	4.40				113.00	0.00
0.93	0.93	8.60	6.20				129.00	0.00
1.18	1.14	4.50	3.10				159.00	0.00
2.00	1.50	28.00	10.00	-1.00	-1.00	0.00	2810.00	-1.00
1.24	1.16	6.20	3.90				175.00	133.00
1.20	1.12	6.20	4.60				153.00	0.00
1.47	1.50	6.80	4.00				236.00	0.00
1.84	1.78	13.00	14.60				247.00	169.00
1.96	2.01	16.3	8.3				378	0
2.03	1.87		8.30				217.00	253.00
1.86	1.70		11.60				774.00	112.00
29.00	33.00	20.00	<1	-1.00	-1.00	-9.00	350.00	-1.00
2.64	2.72	17.1	9.2				301	0
3.00	2.70	18.30	9.50				406.00	0.00
3.48	3.21	26.3	9.3				678	118
1.63	1.61	47	16.4				818	0
1.64	1.59	30.50	7.20				198.00	0.00

1.47	1.17	21.90	14.40				545.00	0.00
1.62	0.89	60.50	15.30				5120.00	144.00
1.31	0.99	27.40	15.10				924.00	0.00
13.00	11.20	63.00	6.00	-1.00	-1.00	-9.00	720.00	470.00
1.15	1.16	19.20	6.80				571.00	131.00
1.04	1.06	8.20	9.20				187.00	160.00
1.36	0.75	40	6				1878	104
1.04	1.01	7.90	8.60				251.00	0.00
0.78	0.80	4.90	4.60				133.00	0.00
0.79	0.73	6.60	5.60				0.00	0.00
3.00	1.10	11.00	<1	7.00	-1.00	-9.00	510.00	20.00
0.92		6.6	0				473	0
0.97	0.94	5.80	6.60				158.00	0.00
0.97	1	7.1	5.4				214	0
2.30	0.91	16.00	9.00	6.00	-1.00	-9.00	438.00	-1.00
0.85	0.89	3.8	4.2				178	0
1.43	1.34	4.90	5.40				224.00	128.00
2.35	2.21	10.30	3.00				300.00	123.00
2.13	2.04	12.10	6.00				773.00	226.00
2.61	-9.00		5.20				1385.00	-9.00
3.80	3.30	21.00	<5	-1.00	-1.00	-9.00	740.00	150.00
2.49	2.50	19.60	-9.00				890.00	231.00
-9.00	-9.00	-9.00	8.40				-9.00	-9.00
1.96	1.89	18.00	-9.00				358.00	0.00
1.61	1.54	30.80	9.50				462.00	0.00
1.35	0.98	21.20	13.50				653.00	128.00
-1.00	<5	19.00	6.00	-1.00	-1.00	-9.00	600.00	30.00
1.17	1.42	6.20	9.20				0.00	0.00
0.93	0.95	8.80	6.30				201.00	103.00
0.84	0.82	6.20	6.30				101.00	0.00
-9.00	1.00	-9.00	6.00	-9.00	-9.00	-9.00	-9.00	280.00
0.69	0.88	6.10	3.80				0.00	0.00
0.96	0.77	6.60	3.90				0.00	0.00
-9.00	-9.00	-9.00	3.90				-9.00	-9.00
0.71	0.72	5.40	-9.00				206.00	0.00
1.00	1.00	6.00	<5	-1.00	-1.00		80.00	30.00
0.67	0.85	4.40	3.40				115.00	122.00
0.84	0.99	3.90	3.60				193.00	120.00
-1.00	<5	-1.00	<5	-1.00	5.00		90.00	20.00
-9.00	1.00	-9.00	<1	-9.00	-9.00	-9.00	-9.00	50.00
1.09	1.02	3.40	5.50				204.00	137.00
1.42	1.07	8.90	2.90				657.00	162.00
1.50	1.10	0.00	0.00	0.00	0.00		98.50	28.60
0.97	0.74	7.20	3.70				181.00	0.00
-9.00	1.00	-9.00	<1	-9.00	-9.00	-9.00	-9.00	60.00
1.32	1.08	4.60	1.10					0.00
-9.00	1.00	-9.00	3.00	-9.00	-9.00	-9.00	-9.00	30.00
1.24	1.41	7.40	4.10				149.00	0.00
<2	4.14	5.51	6.11	<15	<15		115.40	<30
-9.00	2.00	-9.00	4.00	-9.00	-9.00	-9.00	-9.00	40.00
<5	<5	14.00	5.00	<5	<5	-9.00	160.00	10.00
2.05	4.48	8.12	<4	<15	<15		154.69	<30

0.00

2.16	4.57	9.03	4.81	<15	<15		203.06	67.88	0.050
-9.00	2.00	-9.00	4.00	-9.00	-9.00	-9.00	-9.00	40.00	
3.39	3.22	15.86	4.07	<15	<15		450.11	78.96	
-1.00	<5	11.00	<5	-1.00	-1.00		110.00	20.00	
2.40	2.58	16.10	6.00				496.00	0.00	
3.56	3.27	62.60	9.60				1980.00	199.00	
4.54	6.72	26.40	6.54	<15	<15		521.31	119.50	
2.57	2.49	37.00	11.40				394.00	0.00	
-9.00	5.00	-9.00	12.00	-9.00	-9.00	-9.00	-9.00	80.00	
2.95	2.72	21.00	19.40				525.00	0.00	
2.87	2.61	79.00	2.60				459.00	0.00	
<2	5.42	24.72	9.65	<15	<15		239.70	<30	
2.52	2.05	34.50	7.20				667.00	120.00	
-1.00	<5	33.00	14.00	-1.00	-1.00		420.00	60.00	
<2	<2	41.66	14.55	<15	<15		1063.08	54.54	
1.45	1.08	21.00	12.10				344.00	184.00	
<2	<2	15.32	5.96	<15	<15		191.01	<30	
1.22	1.22	14.10	15.60				114.00	0.00	
2.16	<2	12.23	9.34	<15	<15		95.96	<30	
1.36	0.99	29.40	9.70				1426.00	0.00	
<2	<2	16.81	5.64	<15	<15		836.77	<30	
-9.00	1.00	-9.00	4.00	-9.00	-9.00	-9.00	-9.00	50.00	
1.22	1.15	9.90	6.50				168.00	0.00	
2.14	<2	6.73	4.55	<15	<15		96.79	32.38	
2.06	<2	7.18	7.78	<15	<15		264.82	75.64	
1.30	0.90	20.10	7.10				766.00	0.00	
1.05	1.21	9.10	4.50				322.00	0.00	
2.23	<2	5.87	5.01	18.38	<15		167.13	<30	
<2	<2	7.71	<4	<15	<15		85.73	<30	
0.00	-9.00	3.40	9.10				63.00	0.00	
1.10	1.20	6.00	<5	-1.00	-1.00		230.00	110.00	
<2	<2	<4	<4	<15	<15		184.85	49.62	
0.79	0.77	7.50	4.00				252.00	135.00	
2.66	<2	4.10	<4	16.27	<15		200.41	<30	
<2	<2	4.15	<4	22.62	<15		274.33	120.45	
0.83	0.92	6.60	3.60				141.00	0.00	
-9.00	1.00	-9.00	<10	-9.00	-9.00	-9.00	-9.00	380.00	
1.30	1.20	-1.00	<5	-1.00	-1.00		290.00	10.00	
1.11	1.06	4.30	1.10				251.00	0.00	
0.91	0.91	7.00	4.90				423.00	0.00	
<2	<2	6.14	<4	<15	<15		257.18	232.85	
-9.00	2.00	-9.00	<10	-9.00	-9.00	-9.00	-9.00	70.00	
0.85	0.81	9.80	5.20				206.00	0.00	
10.88	<2	41.03	4.12	<15	<15		64.82	95.43	
1.80	1.60	6.00	<5	-1.00	-1.00		230.00	40.00	
1.29	1.16	7.40	4.70				270.00	0.00	
9.97	<2	22.57	<4	<15	<15		72.41	45.00	
-9.00	2.00	-9.00	<10	-9.00	-9.00	-9.00	-9.00	40.00	
1.63	1.40	8.40	5.60				301.00	0.00	
<2	2.81	<4	<4	15.46	<15		293.23	<30	
2.60	2.30	5.00	5.00	-1.00	-1.00		240.00	30.00	
-9.00	<1	-9.00	<10	-9.00	-9.00	-9.00	-9.00	40.00	

4.15	3.02	6.54	<4	<15	<15		628.85	<30	
1.67	1.19	4.20	4.20				227.00	176.00	
2.10	2.00	6.00	<5	-1.00	-1.00		240.00	40.00	
5.55	3.27	7.38	<4	<15	<15		208.65	<30	
2.01	1.88	9.10	4.50				262.00	0.00	
2.98	2.65	12.60	12.60				308.00	0.00	
	3.00		10.00					60.00	
4.84	4.45	22.60	10.90				288.00	0.00	
4.76	3.73	20.35	6.60	<15	<15		751.92	114.46	
3.99	3.72	18.40	9.20				439.00	71.00	
2.27	2.28	22.00	11.90				317.00	0.00	
4.18	<2	17.72	6.64	<15	<15		236.76	55.24	
2.50	2.40	19.00	9.00	-1.00	-1.00		250.00	40.00	
1.81	1.72	24.40	10.40				192.00	0.00	
1.52	1.44	24.50	11.20				309.00	0.00	
1.10	1.08	15.60	8.50				224.00	0.00	
<2	<2	21.16	6.69	<15	<15		499.19	57.45	
<2	<2	22.32	<4	<15	<15		770.33	33.24	
0.86	0.65	15.20	6.20				504.00	0.00	
<2	<2	6.60	4.81	<15	<15		97.88	33.79	
0.86	0.65	15.2	6.2				504	0	
	-1.00		<1					30.00	
0.74	0.48	5.40	4.40				216.00	0.00	
1.07	0.81	7.7	7.5				160	0	
0.80	0.69	8.90	3.10				268.00	0.00	
<2	<2	5.68	<4	<15	<15		60.89	41.27	
1.00	0.80	7.00	<5	-1.00	-1.00	-9.00	160.00	10.00	-9.0
2.36	<2	6.47	<4	<15	<15		56.69	44.32	
0.77	0.79	5.50	3.90				124.00	0.00	
0.86	0.82	4.90	2.70				194.00	0.00	
<2	<2	5.64	5.06	<15	<15		124.76	<30	
	1.00		<4					160.00	
0.83	0.82	5.30	4.20				127.00	0.00	
0.90	0.90	7.00	<5	BDL	BDL		133.00	15.00	
1.30	1.40	15.00	<5	-1.00	-1.00	-9.00	200.00	10.00	-9.0
1.05	0.61	5.70	1.00				123.00	0.00	
2.54	<2	4.85	<4	<15	<15		108.85	<30	
	1.00		<1					120.00	
1.80	1.80	12.00	<5	-1.00	-1.00		110.00	30.00	
1.52	1.51	10.40	8.20				196.00	0.00	
	-1.00		10.00					40.00	
2.10	2.00	8.00	<5	-1.00	-1.00	-9.00	150.00	50.00	-9.0
2.10	2.00	8.00	<5	-1.00	-1.00		150.00	50.00	
	1.00		<1					40.00	
0.00	<2	0.00	<4	0.00	<15		0.00	<30	
6.29	4.85	8.20	5.10				238.00	<10	
2.80	2.80	25.00	<5	-1.00	-1.00	-9.00	220.00	70.00	-9.0
5.14	4.21	10.70	6.60				368.00	118.00	
1.86	1.71	10.40	4.00				423.00	<10	
	2.00		9.00					40.00	
1.31	1.19	12.00	13.30				317.00	<10	
0.00	2.94	0.00	6.45	0.00	<15		0.00	<30	

6.30	6.20	31.00	10.00	-1.00	-1.00	-9.00	190.00	30.00	-9.0
	-1.00		7.00					90.00	
0.60	<.6	11.50	5.60	BDL	BDL		512.30	10.10	
	-1.00		<1					180.00	
1.20	0.90	6.00	<5	<5	<5		170.00	20.00	
1.20	0.90	6.00	<5	<5	<5		170.00	20.00	
	<2		<4		<15			<30	
0.90	1.00	7.00	4.00	<1	<1		130.00	20.00	
3.09	1.70	18.50	14.30				206.00	58.00	
	<1		3.00					80.00	
1.86	1.08	23.80	11.20				1370.00	226.00	
1.60	1.80	6.00	4.00	<1	<1		140.00	20.00	
3.84	3.66	16.40	15.40				255.00	239.00	
	1.00		3.00					40.00	
1.40	1.70	5.00	3.00	36.00	<1		180.00	20.00	
	2.00		3.00					40.00	
2.11	1.89	8.50	3.90				340.00	41.00	
1.50	1.90	6.00	3.00	<1	<1		160.00	30.00	
2.33	2.16	8.70	4.40				261.00	58.00	
	3.00		23.00					90.00	
1.10	1.20	33.00	13.00	<1	<1		320.00	50.00	
	<1		3.00					20.00	
1.00	1.00	12.00	5.00	<1	<1		210.00	<10	
	1.00		3.00					50.00	
1.70	1.60	11.00	<5	<1	<1		420.00	30.00	
	1.00		5.00					90.00	
1.50	1.30	11.00	<5	2.00	<1		360.00	30.00	
	3.00		<10					60.00	
2.50	2.50	8.00	<5	<5	<5		180.00	70.00	
	2.00		<5					30.00	
2.20	2.40	9.00	4.00	<1	<1		370.00	80.00	
	3.00		10.00					180.00	
2.40	1.90	37.00	14.00	1.00	<1		1000.00	110.00	
	<1		10.00					20.00	
0.90	0.90	5.00	3.00	<2	<1		<100	<100	
	<1		<10					60.00	
<b>&lt;.1</b>	<b>1.50</b>	<b>&lt;2</b>	<b>12.00</b>	<b>&lt;1</b>	<b>1.20</b>		<b>200.00</b>	<b>&lt;500</b>	
	2.00		5.00					50.00	
<b>1.00</b>	<b>1.80</b>	<b>27.00</b>	<b>3.20</b>	<b>&lt;1</b>	<b>&lt;1</b>		<b>250.00</b>	<b>170.00</b>	
	2.00		<10					40.00	
2.70	2.80	7.90	4.00	<1	2.90		310.00	<500	
2.60	1.70	17.00	13.00	<5	<5		490.00	250.00	
	<1		<10					110.00	
	<1		10.00					50.00	
0.40	0.30	3.30	1.80	<1	<1		30.00	19.00	
1.07	1.13	4.30	4.40				105.00	43.00	
1.30	1.30	6.00	6.00	<5	<5		<50	<50	
1.58	1.39	6.00	4.60				75.00	85.00	
	2.00		<10					40.00	
1.84	1.74	4.70	4.30				67.00	61.00	
2.00	2.00	9.00	5.00	<1	<1		54.00	55.00	
1.79	1.67	4.90	3.60				67.00	34.00	

	3.00		<10				20.00	
2.10	2.13	6.10	4.90			73.00	43.00	
2.00	2.00	7.00	5.00	<1	<1	111.00	45.00	
2.09	2.08	8.40	4.90			180.00	69.00	
	3.00		20.00				20.00	
2.86	2.87	8.10	4.00			219.00	42.00	
3.44	3.43	10.00	5.90			277.00	124.00	
3.00	3.00	8.00	4.00	<1	<1	192.00	63.00	
2.83	2.74	9.10	5.40			190.00	83.00	
	3.00		<10				<20	
2.63	2.39	10.30	5.40			267.00	74.00	
2.62	2.45	13.70	6.90			225.00	67.00	
1.98	1.90	17.00	9.80			127.00	42.00	
1.80	1.76	21.59	10.31	<1	<1	172.50	35.50	
1.87	0	15.7	0			446	0	
1.89	1.19	4.70	4.00			44.00	<10	
1.33	1.17	6.79	4.38	<1	<1	80.80	38.40	
1.80	1.49	19.90	5.30			1232.00	25.00	
2.46	2.34	15.90	7.50			224.00	22.00	
2.50		17.00		<1		220.00		
1.77	1.69	9.10	6.60			99.00	50.00	
2.30	2.50	8.00	4.00	<1	<1	252.00	102.00	
2.48	2.46	8.10	4.20			275.00	75.00	
2.45	2.40	7.70	3.60			219.00	14.00	
2.40	2.20	7.00	4.00	<1	<1	287.00	97.00	
5.69	5.43	37.50	13.00			340.00	34.00	
2.87	2.57	39.00	20.80			383.00	58.00	
2.00	1.70	41.00	17.00	<1	<1	470.00	100.00	
1.60	0.94	15.70	6.20			335.00	17.00	
1.56	1.28	8.90	5.00			129.00	21.00	
1.69	0.95	6.9	2.6			88	39	
1.00	1.30	6.00	3.00	<1	<1	70.00	<30	
3.05	1.80	5.10	5.60			179.00	48.00	
2.00	2.00	5.00	5.00	<1	<1	150.00	30.00	
2.93	2.47	9.8	7.5			144	54	
1.69	0.95	6.90	2.60			88.00	39.00	
1.91	1.88	6.70	2.90			129.00	10.00	
0.60	0.20	8.00	3.00	1.00	1.00	200.00	40.00	
2.57	2.56	6.10	4.10			176.00	71.00	
2.27	2.08	4.14	2.16			152.91	39.20	
3.33	3.30	14.55	3.71			360.24	78.76	
3.7	3.6	15	4	<1	0.001	340	40	
3.86	3.73	27.53	5.88			292.79	48.56	
3.70	3.68	18.92	7.43			362.17	85.44	
3.49	3.41	17.80	5.78			217.91	<10	
	3.1	2.5	20	7<1	0.005	240	40	
	1.32	1.2	11.7	7.1		229	26	
	1.08	1.03	5.8	4.5		74	15	
	1	1	6	4<1	0.001	90	<30	
	1	1.01	5	3.7		111	50	

<b>1.5</b>	<b>1.38</b>	<b>4.6</b>	<b>2.7</b>			<b>112</b>	<b>20</b>
1.5	1.38	4.6	2.7			112	20
1.4	1.4	5	3<1	<1		110	30
1.65	1.5	9.9	7.2			105	71
1.66	1.59	7.8	5.4			107	58
1.7	1.7	8	4	<1	<1	150	40
2.05	1.96	4.3	2.7			188	76
2.35	2.21	6.5	4.8			149	37
2.7	1.9	5	2<1	<1		180	50
2.87	2.89	6.1	4.3			221	106
<b>2.87</b>	<b>2.89</b>	<b>6.1</b>	<b>4.3</b>			<b>221</b>	<b>106</b>
2.81	2.76	4.4	3.1			145	56
2.7	2.8	7	4<1	<1		260	150
<b>2.81</b>	<b>2.76</b>	<b>4.4</b>	<b>3.1</b>			<b>145</b>	<b>56</b>
4.11	4.07	16.9	5.6			313	64
1.53	1.43	14.1	10			113	57
1.5	1.6	14	9<1	<1		180	140
0.8			7	<1			<30
<b>4.11</b>	<b>4.07</b>	<b>16.9</b>	<b>5.6</b>			<b>313</b>	<b>64</b>
1.13	0.98	7.3	4			222	32
1.06	1	3.8	2			75	20
1.2	1.3	6	3<1	<1		80	<30
<b>1.13</b>	<b>0.98</b>	<b>7.3</b>	<b>4</b>			<b>222</b>	<b>32</b>
1.18	1.38	7.4	4.8			155	85
<b>1.06</b>	<b>1</b>	<b>3.8</b>	<b>2</b>			<b>75</b>	<b>20</b>
1.84	1.35	9.7	3.3			200	22
1.7	1.2	8	4<1	<1		110	<30
1.47	1.43	13.2	7.5			118	21
1.86	1.71	9	4.2			112	11
1.7	1.9	10	5<1	<1		150	40
2	1.84	5.5	3.3			190	69
2.18	1.98	4.8	3			165	66
1.96	1.96	7.1	3.1			245	103
2.08	2.08	3.7	1.5			146	15
2.2	2.1	6	3<1	<1		310	80
2.45	2.34	9.1	3.4			232	42
<b>2.45</b>	<b>2.34</b>	<b>9.1</b>	<b>3.4</b>			<b>232</b>	<b>42</b>
1.4<.2		20	10<1	<1		270	60
0.98	0.9	16.3	8.3			162	17
1.08	0.78	10.7	4.3			322	14.5
1	0.9<10	<10				<100	<100
1	1	5	3<1	<1		70	<30
1.12	0.97	8.4	3.6			94	34
1.33	1.08	19.8	4.3			657	23
<10	<10	<10	<10	<50	<50	160	70
1.78	1.45	7.8	5.6			161	26
1.37	1.35	12.2	4.7			132	50



1.37	1.35	12.2	4.7			132	50
1.6	1.6	7	3<1	<1		170	50
1.97	1.77	6.2	3.5			226	131
2.10	2.10	4.00	2.00	<1	<1	190.00	50.00
4.89	2.07	0	1.2			0	29
4.50	4.40	19.00	5.00	<1	<1	270.00	40.00
7.23	6.96	36.9	11.9			264	33
1.80	1.80	24.00	8.00	<1	<1	330.00	30.00
1.82	1.7	23.5	12.4			242	58
1.2	0.78	23.2	6.3			931	21
1.20	3.00	12.00	3.00	<1	<1	80.00	30.00
0.92	0.94	5.2	3.4			64	17
0.98	0.9	6	4.6			114	66
1.4	1.4	5	3	<1	<1	140	50
1.27	1.42	5.4	3.6			117	41
1.53	1.48	6.9	5.7			180	85
2.40	2.30	6.00	3.00	<1	<1	300.00	120.00
2.04	2.19	4.3	2.9			112	12
1.69	1.7	6.2	4.7			225	95
2.8	2.9	11	4<1	<1		240	40
2.65	2.5	11	5.1			214	14
2.11	2.04	14	5.8			452	91
2.1	0.7	45	4	2<1		2570	30
1.42	0.76	32.3	6.3			1865	21
1.5	0.9	21.2	4.5	<2	<2.00	1100	<100
0.93	0.87	6.2	4.8			88	25
0.9	0.8	5.8	3.7	<2.0	<2.0	<100	<100
0.55	0.57	3.9	2.8			88	34
0.9	0.8	4	3<1	<1		90	40
0.8	0.8	4	<3.0	<2	<2.00	<100	<100
0.82	0.74	3.8	3.2			108	71
1	1	3.9	<3.0	<2.0	<2.0	115	<100
1.5	1.5	7	3<1	<1		250	40
1.3	1.29	4	2.6			108	17
1.3	1.2	4.0	<3.0	<2.0	<2.0	151	<100
1.37	1.29	5.6	4.4			181	92
1.60	1.50	4.00	3.00<1	<1		150.00	90.00
0.33	0	3.1	<1			323	0
1.6	1.7	5.1	<3.0	<2.0	<2.0	234	<100
1.42	1.42	5.8	3.3			292	107
2	1.8	6.2	<3.0	<2.0	<2.0	293	<100
1.58	1.55	7	5			385	185
1.7	1.6	7.7	<3.0	<2.0	<2.0	235	<100
4	4.1	22.3	8.3	<2.0	<2.0	225	<100
3.21	2.93	15	8.1			222	128

1.40	1.30	10.00	7.00<1	<1	120.00	50.00
1.33	1.23	10.1	7.4		135	49
1.1	0.9	<10.0	<10.0	<5.0	376	<100
0.95	0.81	7.7	4.3		338	23
0.80	0.80	3.00	2.00<1	<1	90.00	50.00
0.82	0.82	3.6	3.7		93	52
0.8	0.8	<10.0	<10.0	<5.0	<100	<100
1.19	1.18	5.4	3.4		145	58
1.20	1.20	6	3.00<1	<1	140.00	30.00
0.98	0.91	4.8	3		134	39
1.3	1.3	<10.0	<10.0	<5.0	129	<100
0.95	0.89	4.3	3		135	85
1.3	1.4	<10.0	<10.0	<5.0	169	<100
1.20	1.20	5.0	3.00<1	<1	150.00	70.00
0.95	0.91	4.3	2.8		135	44
1.33	1.26	4.4	3.4		174	142
1.79	1.72	2.9	2.2		52	<10
2.20	2.00	4.0	2.00<1	<1	90.00<30	
2.09	2	10.1	4.2		252	57
2.27	2.17	5.7	3.3		86	<10
2.6	2.5	13	5	1<1	350	50
2.6	2.7	14.7	<10.0	<5.0	208	<100
3.62	3.44	25.3	9.4		280	29
3	3	18	6<1	<1	240	80
1.71	1.53	20.6	7.7		482	17
0.95	0.78	13.6	6.6		386	15
1.1	0.9	10.9	<10.0	<5.0	544	<100
0.75	0.71	4.5	2.8		126	13
0.8	0.8	<20.0	<20.0	<5.0	189	<100
0.7	0.68	3.7	2.4		86	34
1	0.9	<20.0	<20.0	<5.0	116	<100
0.82	0.78	2.6	<1		110	13
1.1	1.1	6	2<1	<1	120	40
1.1	1.1	<20.0	<20.0	<5.0	158	<100
1.29	1.12	5.1	2.7		183	75
1.2	1.1	<20.0	<20.0	<5.0	169	<100
0.95	1.03	2.4	4.1		184	184
1.2	1.2	5	2<1	<1	210	120
1.07	0.97	8.1	2.5		402	118
1.50	1.10	-1.00	-1.00	-1.00	98.50	28.60
1.34	1.33	5.1	2.7		336	146
1.39	1.3	4.7	2.6		317	142
1.14	1.07	5.9	4.5		277	155
1.12	1.07	7	8		128	46
0.85	0.84	9.1	6.8		76	23
0.921	0.866	5.86	4.33		111	

0.78	0.72	6.2	5.2			115	34
1.08	0.99	4.6	4.1			74	37
1.17	1.11	4.2	5.8			115	84
1.29	1.19	4.46	2.73				
1.34	1.14	4.24	4.02	5.98	9.6		
1.51	1.32	3.82	1.95				
1.3	1.28	4.9	5.5			122	110
1.56	1.31	4.04	1.9				
1.51	1.29	3.82	1.26	5.16			
1.34	1.23	5.4	3.9			160	46
1.92	1.9	5.1	3.7			167	50
1.64	1.65	4.8	3			200	82
1.63	1.59	5.3	0			257	26
3.07	2.81	17.2	5.4			274	14
1.42	1.31	15.7	12.2			157	80
1.45	0.969	28.9	10.3			437	
0.95	1.01	6.7	5			85	28
0.76	0.74	4.6	3.8			104	80
1.44	1.3	7.8	4.9			203	51
1.7	1.64	9.4	5.2			377	46
1.75	1.69	12.4	8.3			125	76
1.53	1.47	9	3.4			243	15
2.27	2.2	4.8	2			188	62
1.92	1.79	8.5	2.9			353	66
1.8	1.82	8.2	2.3			377	69
2.26	2.11	12.6	2.6			492	27
4.22	4.03	22.7	3.4			543	20
4.11	3.97	22.9	3.8			392	38
4.97	4.84	29.3	5			507	22
4.37	4.27	26.6	6.1			408	64
4.58	4.46	26.4	5.2			410	45
4.5	4.51	29.4	6.6			441	89
4.17	3.91	45.4	7.6			1087	111
3.71	3.64	23.7	7.2			464	123
3.58	3.44	58.3	17.4			331	90
3.2	3	20.5	5.99			334	
3.31	3.25	24.7	7.7			375	32
2.7	2.57	19.6	7.1			274	53
1.77	1.65	24.2	11.9			270	46
1.77	1.64	24.1	12.4			279	71
2.33	2.12	18.2	5.3			250	21
1.52	1.33	27.2	11.3			536	
2.04	1.95						
1.61	1.2						
2.09	0.812						
1.24	0.88	15.3	5.3			651	28
1.22	0.922						

0.977	0.928				
0.985	0.997				
0.91	0.9	5.3	3.2	118	38
0.773	0.873				
0.762	0.836				
0.658	0.828				
0.807	0.714				
0.95	0.89	7	3.8	307	67
1.2	1.1	5.9	3.3	163	42
1.09	1.08	4.69	3.32		
1.32	1.29	11.6	5.8	129	32
1.27	1.15	6.1	3.2	166	20
1.48	1.27	7	2.4	250	47

HG_TOT	NHG_DIS	MLI_TOT	LI_DIS	MN_TOT	MN_DIS	NI_TOT	NI_DIS	PB_TOT	PB_DIS
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-9	-9	-9	-9	370.00	360.00	-1.00	-1.00	6.00	<5
-9	-9	-9	-9	440.00	400.00	-1.00	-1.00	29.00	<5
-9	-9	-9	-9	760.00	690.00	-1.00	-1.00	96.00	5.00
-9	-9	-9	-9	300.00	300.00	-1.00	-1.00	<5	<5
-9	-9	-9	-9	580.00	560.00	-1.00	-1.00	25.00	<5
				548.00	531.00			<1	<1
				628.00	619.00			<1	<1
				540.00	505.00			<1	<1
				538.00	501.00			<1	<1
				588.00	577.00			<1	<1
				765.00	700.00			15.50	<1
				508.00	493.00			<1	<1
				360.00	312.00			<1	<1
				425.00	377.00			<1	<1
				456.00	438.00			<1	<1
				365.00	310.00			<1	<1
				332.00	300.00			<1	<1
				392.00	373.00			<1	<1
				379.00	329.00			<1	<1
				490.00	444.00			<1	<1
				376.00	345.00			<1	<1
-1	-9	-9	-9	-9.00	400.00	-9.00	-9.00	-1.00	<5
-9	-9	-9	-9	-9.00	-9.00	-9.00	-9.00	15.00	<5
-9	-9	-9	-9	-9.00	-9.00	-9.00	-9.00	32.00	<5
				325.00	291.00			<1	<1
				325.00	319.00			<1	<1
				625.00	561.00			<1	<1
				408.00	396.00			<1	<1
				1107.00	882.00			183.00	17.70
				542				0	
				507.00	421.00			15.40	<1
				458.00	459.00			<1	<1
-9	-9	-9	-9	-9.00	500.00	-9.00	-9.00	<5	<5
-1	-9	-9	-9	-9.00	520.00	-9.00	-9.00	<5	<5
				483.00	457.00			<1	<1
				607.00	580.00			<1	<1
				610.00	559.00			<1	<1
				621.00	577.00			<1	<1
				687.00	663.00			<1	<1
				1590.00	1465.00			<1	<1
				2350.00	2280.00			143.00	<1
				2845.00	2710.00			134.00	12.10
				2116.00	1980.00			77.20	21.00
				1790.00	1775.00			43.00	<1
				1451.00	1217.00			53.50	<1

				631.00	254.00			67.00	<1	
				714.00	374.00			61.00	<1	
				627.00	563.00			<1	<1	
				1827.00	273.00			138.00	<1	
				526.00	318.00			41.30	<1	
				278.00	278.00			<1	<1	
0.3	-9	-9	-9	-9.00	-9.00	-9.00	-9.00	<5	<5	
				353.00	318.00			<1	<1	
-9	-9	-9	-9	-9.00	-9.00	-9.00	-9.00	<5	<5	
				340.00	326.00			<1	<1	
				446.00	84.00			<1	<1	
				436.00	401.00			<1	<1	
				485.00	472.00			<1	<1	
				701.00	679.00			<1	<1	
				836.00	833.00			<1	<1	
				965.00	967.00			<1	<1	
				1118.00	1146.00			<1	<1	
				10.00	0.00			<1	<1	
				1816.00	1710.00			<1	5.90	
				1976.00	0.00			15.60	8.00	
				1050.00	959.00			20.00	<1	
				1181.00	1166.00			7.10	1.40	
				0.00	0.00			8.00	<1	
				1309.00	1243.00			9.50	<1	
				567.00	494.00			10.50	1.20	
				529	510			10.1	5.4	
				555.00	375.00			24.70	1.40	
				0.00	0.00			1.90	<1	
				401.00	362.00			6.30	<1	
				359.00	307.00			6.90	<1	
				465.00	441.00			<1	<1	
				503.00	480.00			<1	<1	
				489.00	551.00			<1	<1	
				521.00	507.00			<1	<1	
				580.00	582.00			<1	<1	
				519.00	496.00			2.40	<1	
				519.00	576.00			<1	<1	
				888.00	838.00			<1	<1	
-1	-1	0	0	366.00	957.00	-1.00	-1.00	-1.00	<.2	
				1121.00	1081.00			<1	<1	
				1202.00	1155.00			<1	<1	
				1215.00	1170.00			1.20	<1	
				1750.00	1770.00			<1	<1	
				1870	1850			3.3	0	
				2124.00	2067.00			9.60	0.00	
				1882.00	1831.00			7.20	0.00	
-1	-1	-9	-9	2050.00	1990.00	-1.00	-1.00	5.00	<.2	
				1900				1.5	0	
				234.00	2200.00			1.30	<1	
				3060	290			10.8	0	
				1014	827			17	1	
				1183.00	1170.00			3.80	<1	

				636.00	493.00			12.00	1.80	
				1542.00	351.00			<1	4.60	
				656.00	321.00			39.00	<1	
-1	-1	-9	-9	720.00	694.00	-1.00	-1.00	166.00	<.2	
				483.00	310.00			49.30	7.60	
				414.00	397.00			7.90	5.50	
				785	192			4.2		0
				399.00	346.00			10.30	1.30	
				399.00	374.00			2.80	<1	
				504.00	490.00			2.40	1.00	
-1	-1	-9	-9	723.00	674.00	-1.00	-1.00	16.00	<.2	
				745				4.6		0
				899.00	861.00			3.00	1.30	
				1140	1112			1.1		0
-1	-1	-9	-9	585.00	388.00	-1.00	-1.00	-1.00	<.2	
				1193	1161			0		0
				1332.00	1310.00			1.90	<1	
				1600.00	1701.00			1.30	<1	
				1970.00	2062.00			8.40	<1	
				2350.00	-9.00			9.80	-9.00	
-1	-1	-9	-9	2100.00	2100.00	-1.00	-1.00	15.00	<5	
				1692.00	1599.00			12.40	<1	
				-9.00	-9.00			-9.00	-9.00	
				824.00	710.00			16.10	1.30	
				631.00	406.00			27.90	1.70	
				440.00	265.00			36.10	<1	
-1	-1	-9	-9	400.00	240.00	10.00	-1.00	43.00	2.00	
				467.00	445.00			2.20	1.00	
				304.00	325.00			9.30	3.70	
				320.00	307.00			3.60	<1	
-9.000	-9.000	-9.00	-9.00	-9.00	320.00	-9.00	-9.00	-9.00	<5	
				337.00	307.00			3.50	<1	
				334.00	308.00			2.40	<1	
				-9.00	-9.00			-9.00	-9.00	
				455.00	440.00			3.60	<1	
-1	-1			490.00	470.00	-1.00	-1.00	2.00	<5	
				432.00	427.00			1.30	<1	
				628.00	629.00			<1	<1	
-1.0	-1.0			800.00	810.00	-1.00	-1.00	-1.00	<5	
-9.0	-9.0	-9.0	-9.0	-9.00	720.00	-9.00	-9.00	-9.00	<5	
				764.00	753.00			1.10	<1	
				761.00	684.00			15.50	<1	
				672.30	678.00	0.00	0.00	1.40	0.00	
				587.00	431.00			1.70	<1	
-9.0	-9.0	-9.0	-9.0	-9.00	840.00	-9.00	-9.00	-9.00	<5	
					922.00	908.00			0.00	
-9.0	-9.0	-9.0	-9.0	-9.00	1180.00	-9.00	-9.00	-9.00	<5	
				905.00	950.00			<1	<1	
		<6	8.6	1183.17	1206.45	<20	<20	<30	<30	
-9.0	-9.0	-9.0	-9.0	-9.00	2050.00	-9.00	-9.00	-9.00	<5	
<.1	<.1	-9.0	-9.0	2500.00	2500.00	<10	<10	<5	<5	
		<6	<6	1694.54	1588.60	<20	<20	<30	<30	

		6.5	16.8	2948.41	2834.15	<20	<20	<30	<30
-9.0	-9.0	-9.0	-9.0	-9.00	1750.00	-9.00	-9.00	-9.00	<5
		6.5	<6	2025.61	1952.77	<20	<20	<30	51.70
-1.0	-1.0			3200.00	3200.00	-1.00	10.00	-1.00	<5
				2160.00	2168.00			6.90	<1
				3100.00	3040.00			39.00	<1
		<6	<6	2810.25	2387.35	<20	<20	<30	<30
				2390.00	2350.00			5.20	<1
-9.0	-9.0	-9.0	-9.0	-9.00	3180.00	-9.00	-9.00	-9.00	<5
				3140.00	2380.00			14.10	<1
				1901.00	1868.00			10.90	0.00
		<6	<6	1799.48	1806.54	<20	<20	<30	<30
				1963.00	1826.00			7.30	<1
-1	-1			1200.00	1100.00	10.00	-1.00	14.00	<5
		<6	<6	1049.39	585.28	<20	<20	58.99	<30
				476.00	422.00			20.10	10.20
		<6	<6	450.73	424.66	<20	<20	<30	<30
				627.00	604.00			3.40	<1
		<6	<6	637.58	641.89	<20	<20	<30	<30
				736.00	192.00			55.40	1.70
		<6	<6	500.44	215.86	<20	<20	55.28	<30
-9.0	-9.0	-9.0	-9.0	-9.00	510.00	-9.00	-9.00	-9.00	<5
				401.00	368.00			10.10	2.40
		<6	<6	387.77	401.37	24.97	<20	<30	<30
		<6	<6	395.09	398.82	<20	<20	45.30	<30
				536.00	261.00			40.30	0.00
				347.00	294.00			12.20	2.80
		<6	<6	322.28	300.68	<20	<20	<30	<30
		<6	<6	185.59	305.95	<20	<20	30.52	<30
				176.00	-9.00			3.20	0.00
-1	-1			470.00	440.00	-1.00	-1.00	8.00	2.00
		<6	<6	364.31	378.25	<20	20.62	<30	<30
				432.00	386.00			8.20	0.00
		<6	8.5	428.08	493.43	<20	<20	42.33	<30
		<6	8.5	641.10	722.75	25.31	<20	<30	<30
				623.00	611.00			2.90	0.00
-9.0	-9.0	-9.0	-9.0	-9.00	1360.00	-9.00	-9.00	-9.00	7.00
-1	-1			1100.00	1100.00	-1.00	-1.00	-1.00	<5
				1146.00	1132.00			1.00	0.00
				691.00	669.00			4.60	0.00
		<6	<6	565.85	561.67	<20	<20	<30	<30
-9.0	-9.0	-9.0	-9.0	-9.00	1370.00	-9.00	-9.00	-9.00	<5
				660.00	584.00			6.20	0.00
		15.0	8.3	798.46	777.73	<20	<20	32.67	<30
-1	-1			1600.00	1600.00	-1.00	-1.00	3.00	<5
				1446.00	1451.00			1.60	0.00
		18.3	10.3	1442.43	1456.11	<20	<20	45.21	<30
-9.0	-9.0	-9.0	-9.0	-9.00	2070.00	-9.00	-9.00	-9.00	<5
				2030.00	1894.00			3.40	0.00
		<6	<6	2108.28	2198.15	<20	<20	<30	<30
-1	-1			23002.30	2300.00	-1.00	-1.00	2.00	1.00
-9.0	-9.0	-9.0	-9.0	-9.00	1960.00	-9.00	-9.00	-9.00	<5



		<6	<6	1834.58	1801.46	<20	<20	<30	<30		
				2530.00	2380.00			0.00	0.00		
-1	-1			2300.00	2400.00	-1.00	-1.00	2.00	<1		
		<6	<6	2332.87	2257.62	<20	<20	48.27	<30		
				1928.00	1883.00			1.60	0.00		
				2430.00	2080.00			3.30	0.00		
					3900.00				<5		
				3460.00	3480.00			4.30	0.00		
		<6	<6	3678.43	3448.76	<20	<20	<30	<30		
				2890.00	2610.00			9.30	0.00		
				1324.00	1045.00			11.40	0.00		
		<6	<6	1325.69	1265.05	<20	<20	<30	<30		
-1	-1			1400.00	1400.00	-1.00	-1.00	6.00	<1		
				871.00	814.00			5.50	0.00		
				615.00	521.00			10.70	0.00		
				459.00	385.00			6.10	0.00		
		<6	<6	536.88	322.23	22.16	<20	33.98	<30		
		<6	<6	591.41	272.29	<20	<20	60.27	<30		
				376.00	219.00			28.10	0.00		
		<6	<6	443.99	430.80	<20	<20	<30	33.23		
				376	219			28.1	0		
					590.00				<5		
				343.00	324.00			3.70	0.00		
								4.7	1.1		
				385.00	450.00			10.70	0.00		
		<6	<6	357.68	339.27	<20	<20	<30	<30		
-1.0	-1.0	-9.0	-9.0	390.00	390.00	-1.00	-1.00	7.00	<1		
		<6	<6	429.43	421.27	<20	<20	<30	<30		
				573.00	560.00			2.10	0.00		
				868.00	649.00			3.90	0.00		
		<6	<6	628.77	643.02	<20	<20	<30	<30		
					720.00				5.00		
				876.00	849.00			1.90	0.00		
				680.00	682.00	BDL	BDL	4.70	1.20		
-1.0	-1.0	-9.0	-9.0	1200.00	1200.00	-1.00	-1.00	-1.00	<1		
				1044.00	1010.00			0.00	0.00		
		7.4	<6	1250.13	1223.87	<20	<20	<30	<30		
					1550.00				<5		
-1	-1			2000.00	2000.00	-1.00	-1.00	3.00	<1		
				1601.00	1492.00			3.20	0.00		
					3460.00				<5		
-1.0	-1.0	-9.0	-9.0	3100.00	3500.00	-1.00	-1.00	2.00	<1		
-1	-1			3100.00	3500.00	-1.00	-1.00	2.00	<1		
					4150.00				<5		
		0.0	10.3	0.00	2379.54	0.00	<20	0.00	<30		
				2780.00	2600.00			11.70	<3		
-1.0	-1.0	-9.0	-9.0	3200.00	3400.00	-1.00	-1.00	4.00	<1		
				3470.00	3290.00			2.00	<3		
				1901.00	1783.00			2.90	<3		
					3020.00				<5		
				1291.00	1119.00			5.80	1.80		
		0.0	9.3	0.00	2883.50	0.00	<20	0.00	<30		

-1.0	-1.0	-9.0	-9.0	3900.00	4100.00	-1.00	-1.00	6.00	<1
					470.00				<5
				436.70	280.00	BDL	BDL	21.60	0.60
					590.00				5.00
<.1	<.1			570.00	640.00	<5	<5	3.00	<1
<.1	<.1			570.00	640.00	<5	<5	3.00	<1
			<6		864.98		<20		<30
<.1	<.1			740.00	820.00	<5	<5	3.00	<1
				1297.80	1293.30			4.10	3.20
					1620.00				<5
				1649.70	880.60			8.30	5.60
<.1	<.1			2000.00	2100.00	<5	<5	2.00	<1
				2363.90	2369.10			11.30	9.90
					2790.00				<5
<.1	<.1			2800.00	2900.00	12.00	<5	1.00	<1
					3500.00				<5
				2892.30	2583.60			4.90	<3
<.1	<.1			3000.00	3100.00	<5	<5	2.00	<1
				2918.10	2755.70			2.80	<3
					4290.00				<5
<.1	<.1			730.00	680.00	<50	<50	14.00	3.00
					530.00				<5
<.1	<.1			920.00	890.00	<50	<50	2.00	<1
					1540.00				<5
<.1	<.1			2400.00	<5	<50	<50	19.00	<1
					1570.00				<5
<.1	<.1			2100.00	2000.00	<5	<5	11.00	<1
					2680.00				<5
<.1	<.1			4600.00	4300.00	5.00	6.00	2.00	<1
					2630.00				<5
<.1	<.1			3200.00	3300.00	<5	<5	4.00	<1
					4330.00				<5
0.3	<.1			1100.00	750.00	<5	<5	32.00	2.00
					530.00				<5
0.2	<.1			600.00	580.00	5.00	5.00	3.00	<1
					1110.00				<5
<.1	<.1			<3	1100.00	<3	<3	<1	<1
					1710.00				<5
<.1	<.1		<10	500.00	1900.00	6.90	3.70	5.00	1.00
					2850.00				<5
<.1	<.1			3700.00	3700.00	4.60	4.50	2.20	<1
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					1770.00				<5
					820.00				<5
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				827.80	807.10			<3	<3
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				1171.90	1112.50			<3	<3
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				1254.70	1237.70			<3	<3

						1690.00	<5
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		1758.20	1741.20			2.00	<3
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		2583.20	2597.50			2.30	<3
		2829.30	2795.00			3.70	<3
<1	<1	2440.00	2430.00	2.00	2.00	3.00	<1
		2732.10	2705.70			<3	2.40
			4370.00				<5
		2721.80	2656.90			6.60	<3
		2025.60	1966.80			2.30	<3
		1136.30	1118.70			<3	<3
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		560.6	0			28.5	0
		1455.70	600.60			<3	<3
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		1714.80	1640.20			5.20	<3
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		1247.60	1168.90			2.70	<3
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		547.40	520.40			3.00	<3
		670.9	663.1			6.5	<3
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		1625	1432				0<3
		670.90	663.10			6.50	<3
		2368.80	2308.20			<3	<3
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		2669.20	2655.40			<3	<3
		3213.82	3132.72			3.59	<3
		4521.74	4469.78			4.56	<3
<.2	<.2	5070	4540		3	3	4<1
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		664.5	650.2				0<3
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			1866.8	1782.7			<3	<3
	<.2	<.2	1910	1920	2	2	2	<1
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			3897.9	3770.4			<3	<3
<.2	<.2		3900	3800	3	2	2	<1
			6191.1	6093			<3	<3
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			1424.5	1318.2			5	<3
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	<.2			323	<1		<1	
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			631.5	544.8			17.2	<3
			1023	1012.4			<3	<3
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			<b>631.5</b>	<b>544.8</b>			<b>17.2</b>	<b>0</b>
			1100.5	1089.2			4.1	<3
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			1971.5	1915.4			<3	<3
<.2	<.2		2110	2060	1	1	2	<1
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			3387.2	3253.8			3.7	<3
			3360.7	3178			<3	<3
			3669.8	3483.6			<3	<3
<.2	<.2		3660	3650	2	2	2	<1
			2870	2784.7			<3	<3
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			443	326.8			11.9	<3
			555	518	<2	<2	3.4	<1
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			703	683.6			3.4	3.4
			548	413.5			55.8	<3
<1	<1		1210	1300	<5	<5	<5	
			1284.3	1223.4			7.4	<3
			1240.8	1228.1			7.8	3.5

		1240.8	1228.4			7.8	3.5
<.2	<.2	1540	1530	1	1	2<1	
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		586.5	572.5			3.7<3	
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<.2	<.2	1450	1470	1.00	<1	3<1	
		1300.6	1270.2			6.3	4.3
		1599.9	1452.2			6.5	4.6
<1	<.2	2780.00	2900.00	2.00	2.00	2.00	1.00
		2906.4	2839.6			5.7	4.6
		2325.4	2332.2			6.4	4.7
<.2	<.2	3810	3920		3	3	2<1
		3863.4	3838			6.9	4.6
		2492.4	2449.8			9.7	3.7
<.2	<.2	977	311		2<1		120<1
		851.6	323.7			75.8	3.3
		697	340	<2	<2.00	52.3	<1.0
		395.1	375.5			5.2	3
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		589.4	580.2			0<3	
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		676	668	<2	<2.00	2.1	<1.0
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		3421.2	3418.4			<3	<3
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		2746.4	2623.3			3	0
		2855.8	2728.1			0	0
		818.8	788			3.4	0
		564.2	546.6			0	0
		715	699			2.79	0.614

722.3	716.5			0	0
1023.5	990.9			0	0
943.1	944			0	0
1350	1340			2.93	0.131
1390	1420	3.6	5.82	2.84	
1350	1320			3.42	
1101.3	1079.4			0	0
1380	1370			3.15	0.221
1420	1410			2.83	
1668.5	1645.7			3.6	0
2717.8	2623			0	0
2658.9	2663.2			0	0
2971.8	2966.5			3.3	0
3554.1	3553.4			5.6	0
980.2	951			6.8	0
988	656			43.3	1.34
523.6	503.3			0	0
687.2	665.6			0	0
1181.7	1134.5			4.8	0
1506.4	1422.9			6.5	0
1165.7	1176.7			0	0
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2442.4	2398.6			0	0
2254.2	2234.4			0	0
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3035.8	3023.7			3.1	0
4664.8	4601.2			10.5	4
4492.4	4491.2			8.3	4.3
5852.3	5774.8			11.7	4.3
4909.8	4898.4			8.5	3.9
4965.8	4862.6			8.2	4.3
4902.9	4708.8			8.9	4.8
4853.7	4871.6			25.5	4.6
3595.4	3409.3			9.6	4.5
3686.3	3671			8	4.2
3390	3340			3.88	
3322.5	3338.5			10	4.4
2493.3	2215			6.6	3.8
1042.2	1033.5			12.4	4
978.5	940.9			9.8	3.7
1820.2	1731.8			7	4
1300	1220			14.7	1.1
				3.96	0.15
				29.7	1.04
				84.5	0.761
603.2	377.4			42.4	3
				59.7	1.16

		23.1	0.657
		5.05	0.525
519.5	493.2	5.3	3.1
		4.06	0.498
		2.82	0.491
		2.92	0.388
		1.99	0.287
946.7	880.7	7.8	3.5
961.2	928	0	0
835	826	2.01	0.381
716.3	699.8	0	0
1101.2	1095	4.1	0
1518.5	1444.8	5.7	0



SE_TOT	SE_DIS	SR_TOT	SR_DIS	TL_TOT	TL_DIS	V_TOT	V_DIS	ZN_TOT	ZN_DIS
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-1.00	-1.00	-9	-9	-9	-9	-9	-9	310.00	290.00
-9.00	-9.00	-9	-9	-9	-9	-9	-9	410.00	350.00
-9.00	-9.00	-9	-9	-9	-9	-9	-9	540.00	450.00
-9.00	-9.00	-9	-9	-9	-9	-9	-9	290.00	290.00
-9.00	-9.00	-9	-9	-9	-9	-9	-9	400.00	370.00
								513.00	540.00
								510.00	519.00
								471.00	461.00
								478.00	453.00
								489.00	480.00
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								567.00	548.00
								482.00	444.00
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								513.00	479.00
								381.00	350.00
								351.00	324.00
								427.00	406.00
								370.00	320.00
								347.00	322.00
								290.00	287.00
-9.00	-9.00	-9	-9	-9	-9	-9	-9	270.00	360.00
-9.00	-9.00	-9	-9	-9	-9	-9	-9	350.00	300.00
-9.00	-9.00	-9	-9	-9	-9	-9	-9	380.00	310.00
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								409.00	352.00
								391.00	363.00
								894.00	632.00
								483	
								364.00	324.00
								338.00	336.00
-9.00	-9.00	-9	-9	-9	-9	-9	-9	390.00	370.00
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								574.00	556.00
								511.00	489.00
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								2390.00	1790.00
								2455.00	1785.00
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522.00	323.00
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310.00	300.00
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396.00	384.00
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583.00	591.00

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923.00	865.00
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888.00	871.00
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	520	505
490.00	435.00	
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707.00	689.00	
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	1137	1086
1100.00	1026.00	
1035.00	968.00	
1255.00	1090.00	
	1116	
103.00	1072.00	
	1303	114
	908	778
873.00	852.00	

-9.00	-9.00	-9	-9	-9	-9	-9	-9
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-9.00	-9.00	-9	-9	-9	-9	-9	-9
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-1.00	-1.00	-9	-9	-9	-9	-9	-9
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-1.00	-1.00	-9	-9	-1	-1	-1	-1
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								606.00	526.00
								744.00	388.00
								518.00	416.00
-1.00	-1.00	-9	-9	-1	-1	-1	-1	720.00	470.00
								415.00	380.00
								482.00	475.00
								386	225
								352.00	339.00
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								305.00	307.00
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								319	
								378.00	377.00
								485	474
-1.00	-1.00	-9	-9	-1	-1	-1	-1	325.00	300.00
								537	515
								578.00	563.00
								858.00	799.00
								890.00	847.00
								1141.00	-9.00
-1.00	-1.00	-9	-9	-1	-1	-1	-1	1100.00	1100.00
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								591.00	530.00
								499.00	420.00
								395.00	341.00
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								494.00	470.00
								301.00	319.00
								298.00	289.00
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-1.00	-1.00			-1	-1	-1	-1	310.00	300.00
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								399.00	392.00
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								449.00	437.00
								427.00	371.00
0.00	0.00					0	0	431.80	422.70
								411.00	285.00
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0.00									494.00
-9.00	-9.00	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.00	600.00
								463.00	477.00
0.00	0.00	528.2	523.8	0.0	0.0	<4	<4	564.26	573.65
-9.00	-9.00	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.00	950.00
<5	<5	-9.0	-9.0	<5	<5	<5	<5	980.00	1000.00
0.00	0.00	616.3	566.7	0.0	0.0	<4	<4	805.55	736.76

0.00	0.00	754.1	700.0	0.0	0.0	<4	<4	1024.87	938.30
-9.00	-9.00	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.00	790.00
0.00	0.00	598.9	605.9	0.0	0.0	<4	<4	938.72	860.34
-1.00	-1.00			-1.0	-1.0	-1.0	-1.0	1200.00	1300.00
								973.00	954.00
								1399.00	1179.00
0.00	0.00	510.9	439.1	0.0	0.0	<4	<4	1543.79	1239.50
								1210.00	1192.00
-9.00	-9.00	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.00	1440.00
								1126.00	1035.00
								956.00	937.00
0.00	0.00	396.6	402.1	0.0	0.0	<4	<4	928.70	882.15
								937.00	852.00
-1.00	-1.00			-1	-1	-1	-1	700.00	680.00
0.00	0.00	223.7	226.7	0.0	0.0	<4	<4	772.32	596.52
								478.00	481.00
0.00	0.00	186.1	195.9	0.0	0.0	<4	<4	452.23	392.61
								527.00	511.00
0.00	0.00	244.8	253.9	0.0	0.0	<4	<4	482.44	482.42
								548.00	454.00
0.00	0.00	141.9	151.0	0.0	0.0	<4	<4	373.71	266.17
-9.00	-9.00	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.00	450.00
								630.00	445.00
0.00	0.00	177.5	201.9	0.0	0.0	<4	<4	390.57	418.63
0.00	0.00	172.3	192.0	0.0	0.0	<4	<4	370.31	385.33
								400.00	351.00
								353.00	349.00
0.00	0.00	166.4	170.1	0.0	0.0	4.9	<4	327.50	317.91
0.00	0.00	155.6	178.0	0.0	0.0	<4	<4	271.66	243.61
								171.00	-9.00
-1.00	-1.00			-1	-1	-1	-1	340.00	330.00
0.00	0.00	181.5	195.5	0.0	0.0	<4	<4	280.71	264.47
								302.00	340.00
0.00	0.00	189.0	226.7	0.0	0.0	6.5	<4	255.22	255.32
0.00	0.00	238.5	272.5	0.0	0.0	<4	<4	354.71	352.88
								324.00	342.00
-9.00	-9.00	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.00	110.00
-1.00	-1.00			-1	-1	-1	-1	420.00	420.00
								419.00	404.00
								324.00	306.00
0.00	0.00	285.0	287.9	0.0	0.0	<4	<4	343.83	309.27
-9.00	-9.00	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.00	460.00
								325.00	318.00
0.00	0.00	351.5	331.4	0.0	0.0	<4	5.0	460.57	377.53
-1.00	-1.00			-1	-1	-1	-1	550.00	570.00
								500.00	458.00
0.00	0.00	439.0	459.6	0.0	0.0	<4	<4	528.49	498.57
-9.00	-9.00	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.00	617.00
								677.00	669.00
0.00	0.00	513.8	555.6	0.0	0.0	<4	<4	664.10	610.89
-1.00	-1.00			-1	-1	-1	-1	860.00	810.00
-9.00	-9.00	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.00	610.00

0.00	0.00	586.9	600.7	0.0	0.0	<4	<4	647.27	600.08
								1078.00	651.00
-1.00	-1.00			-1	-1	-1	-1	650.00	700.00
0.00	0.00	563.5	566.4	0.0	0.0	<4	<4	831.26	837.23
								780.00	781.00
								950.00	925.00
									1510.00
								1540.00	1457.00
0.00	0.00	571.5	551.1	0.0	0.0	<4	<4	1326.13	1181.10
								1256.00	1194.00
								896.00	637.00
0.00	0.00	311.6	338.2	0.0	0.0	<4	<4	668.59	742.03
-1.00	-1.00			-1	-1	-1	-1	820.00	840.00
								567.00	523.00
								457.00	444.00
								372.00	353.00
0.00	0.00	206.0	191.0	0.0	0.0	<4	<4	344.57	288.79
0.00	0.00	175.5	162.6	0.0	0.0	<4	<4	378.58	282.70
								299.00	241.00
0.00	0.00	206.7	226.4	0.0	0.0	<4	<4	325.00	297.17
								299	241
									320.00
								264.00	245.00
								452.00	256.00
0.00	0.00	155.1	169.2	0.0	0.0	<4	<4	241.12	245.43
-1.00	-1.00	-9.0	-9.0	-1.0	-1.0	-1.0	-1.0	280.00	280.00
0.00	0.00	178.6	198.5	0.0	0.0	<4	<4	230.92	227.25
								274.00	295.00
								311.00	298.00
0.00	0.00	284.9	278.3	0.0	0.0	<4	<4	260.45	226.21
									310.00
								358.00	342.00
						BDL	BDL	320.00	335.00
-1.00	-1.00	-9.0	-9.0	-1.0	-1.0	-1.0	-1.0	390.00	420.00
								360.00	298.00
0.00	0.00	501.9	499.8	0.0	0.0	<4	<4	362.24	350.99
									460.00
-1.00	-1.00			-1	-1	-1	-1	600.00	660.00
								590.00	594.00
									765.00
-1.00	-1.00	-9.0	-9.0	-1.0	-1.0	-1.0	-1.0	760.00	860.00
-1.00	-1.00			-1	-1	-1	-1	760.00	860.00
									810.00
0.00	0.00	0.0	620.1	0.0	0.0	0.0	<4	0.00	640.18
-9.00	-9.00							806.00	732.00
-2.00	-2.00	-9.0	-9.0	-1.0	-1.0	-1.0	-1.0	920.00	1000.00
-9.00	-9.00							845.00	798.00
-9.00	-9.00							697.00	635.00
									790.00
-9.00	-9.00							530.00	485.00
0.00	0.00	0.0	509.4	0.0	0.0	0.0	<4	0.00	898.94

-2.00	-1.00	-9.0	-9.0	-1.0	-1.0	-1.0	-1.0	1800.00	1900.00
									270.00
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									288.00
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		294.429					<4		296.18
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2.70	<2							468.20	406.30
									506.00
4.00	2.60							400.60	260.40
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2.90	<2							772.00	615.40
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									510.00
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2.10	<2						692.70	708.80
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7.00	<2						338.60	289.90
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	8.1	0					336.1	331.9
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8.10	<2						336.10	331.90
4.90	7.40						650.10	645.30
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4.50	3.10						703.10	675.50
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	7.2	3.8					1020.2	1015.2	
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23.1		8.4			418.5		396.1
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2.00	<.5		<1	<1	<100	296.00	282.00
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0	0					485.4	459.9
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0	0					527.8	510.3
0	0					390.4	376.6
0	0					278.4	266.7
		260	256			289	281

0	0				230.6	223
0	0				289.7	271.5
0	0				274.1	266.7
		643	625		306	300
		648	649		304	293
		638	622		402	396
0	0				342.2	338
		636	626		426	424
		644	630		424	405
0	0				397	378.4
0	0				591.2	586
0	0				528.2	511.2
0	0				571.2	534.4
0	0				869.2	802.1
0	0				419.6	393.6
		233	225		454	347
0	0				277.7	269.6
0	0				186.1	175.5
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0	0				1114.8	1061.7
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0	0				524.1	490.8
0	0				699.5	633.2
		317	312		491	446
					589	583
					477	373
					504	264
0	0				339.6	263.5
					354	257

				296	270
				293	302
0	0			252.9	239.3
				245	245
				237	244
				241	253
				199	204
0	0			264.3	229.3
0	0			297.3	270
		427	422	273	270
0	0			372.1	333.8
0	0			371.4	348.7
0	0			449	416.6

DIS_OXY_1DO SAT.	TSS_MG	TDS_MG	T_PHOS_MP_DIS_MG	PO4_DIS_1SI_TOT_M	SI_DIS_MG	NA_TOT_M
%						

-9	11	-9	0.01	-9	-9	6.6	6.6	2
-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9

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12

-9	-1	-9	-1	-9	-9	4.4	-9	0.97
-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9

10

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-9	-9	-9	-9	-9	-9	-9	-9	-9
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-9	-1	-9	-9	-9	-9	-9	7.9	-9
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-9  
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-1	-9	-9	-9	-9	-9	-9	-9	-9
-1	-9	-9	-9	-9	-9	-9	-9	-9
-9	214	-9	-9	-9	-9	-9	-9	2.8
-9	242	-9	-9	-9	-9	-9	-9	2.6

0									
9									
8									
-9		-9	66	-9	-9	-9	-9	-9	0.94
8									
9									
	7								
9									
8									
0.6									
-9		-9	166	-9	-9	-9	-9	-9	1.7
	8								
6									
	8								
-9		-9	236	-1	-9	-9	-9	-9	2.6
	6								
6									
0.6									
0.6									
0.6									
-9		-9	220	-9	-9	-9	3.6	-9	2.2
8									
10									
5									
0.6									
-9									
-9		-9	80	-9	-9	-9	2.4	-9	0.8
10									
9									
10									
-9.00		-9.00	-9.00	-9.000	-9.000	-9.000	-9.00	-9.00	-9.00
11									
6									
9									
8									
			140		-9		2.6		1.5
8									
9									
			190.0		-1.0		3.7		1.8
-9.0		-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
8									
10									
							3.8		
-9									
-9.0		-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
487.00	-9.00								
-9.0		-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
6.0									
9.6									2.48
-9.0		-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
		-9.0	280.0	0.7	-9.0	<.02	3.7	-9.0	3.4
7.7									2.82

10.4								3.34
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
9.8								2.41
		300.0				4.0		2.9
8								
8								
9.7								2.14
6								
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
7								
-9.00								
10.0								1.89
6								
		130				3		1.5
8.6								1.12
8								
9.7								0.91
9								
8.4								1.14
7								
9.4								0.68
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
6.0								
9.0								0.90
10.1								0.90
6.0								
8.0								
8.8								0.88
7.8								0.78
8.0								
		90				2.2		1
8.6								0.85
6.0								
8.4								0.84
8.8								1.01
9.0								
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
		160				3.2		1.9
-9.00								
7.0								
								1.29
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
9.0								
9.1								2.61
		220				3.3		2
9.0								
9.1								2.90
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
2.0								
								2.24
		300				3.9		2.6
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0



10.6									2.63
6.0									
			330				4		2.8
9.1									2.59
10.0									
4.0									
4.0									
8.4									2.78
10.0									
9.0									
9.2									1.70
			160				3.2		1.9
7.0									
10.0									
10.0									
8.3									1.06
									0.93
10.0									
									1.31
	10								
-9.0									
0.4									
8.8									0.808
-9.00	-9.00	-9.00	86.00	-9.00	-9.00	-9.00	1.80	-9.00	0.80
8.1									0.854
3.0									
8.0									
7.1									1.32
8.0									
-9.00	-9.00	-9.00	230.00	-9.00	-9.00	-9.00	3.30	-9.00	2.00
13.0									
7.9									2.31
			220				3.4		2.2
8.0									
-9.00	-9.00	-9.00	280.00	-9.00	-9.00	-9.00	3.30	-9.00	2.40
			280				3.3		2.4
10.0	-9								
-9.00	-9.00	-9.00	280.00	-9.00	-9.00	-9.00	3.70	-9.00	2.60
6.0	-9								
6.0	-9								
9.0	-9								
9.3									

-9.00	-9.00	-9.00	270.00	-9.00	-9.00	-9.00	3.70	-9.00	2.10
			120						1.2
			120						1.2
7.4			140						1.5
7.0	-9								
9.0	-9								
			260						2.2
6.0	-9								
			250				3.9		2.4
10.0	-9								
			290				3.6		3
10.0	-9								
			100				2.7		1.2
			150				2.8		1.6
			210				3.5		2.1
			230				3.5		2.2
			290				4.1		3
			280				4.2		
			110				3.3		1.4
			110				2.2		1
<b>5.43</b>	<b>77.90%</b>		<b>200</b>				<b>3.3</b>		<b>2</b>
<b>6.16</b>	<b>74%</b>		<b>240</b>				<b>38</b>		<b>2.4</b>
			330				4.7		3.2
			260				4.7		3.1
			122				12.1	11.3	
6.6	-9		161	<2			6.36		
-9.0	-9								
-9.0	-9								
			240				7.59	7.63	
-9.0	-9								

-9.0	-9				
		234		6.62	3.6
-9.0	-9				
-9.0	-9				
-9.0	-9	259		7.6	<1
-9.0	-9				
-9.0	-9				
-9.0	-9				
9.1	100				
9.17	100%	168.76		6.26	2.72
7.6	100				
7.58	100	123.33		1.52	<1
-9.0	-9				
8.3	-9				
8.26	100	171			
-9.0	-9				
		271		7.78	2.8
-9.0	-9				
-9.0	-9				
		289		7.91	2.7
-9.0	-9				
8.5	96				
8.54	96	122		5.8	1.5
-9.0	-9				
-9.0	-9				
	6.9	84			
6.96	84	134		4.8	1.1
-9.0	-9				
		221		7.8	3
-9.0	-9				
	-9				
	-9	203		7.4	
		284			8.0
		211			6.8
		82			4.1

204 6.6

190 6.6

241

278

136  
97

150

178

170

282 9.1

84 5.4

900  
671

7.76

126 4.7

1074  
1182

160 7.2

2238

		183	7.1	
				2247
		248	8.6	5807
		226	9.3	2712
		109	3.6	1358
				766
		110	2.5	685
				1027
		182	8.5	1449
				1879
		245	10.6	2496
				2225
		260		2783
				2307
		87		837
10.02	89			676
8.2				1037
8.8				1708
		104		1930
8.5				1933
8.0		210		19155
			7.5	2075
10.0	<20	210		2502
		219		2759
10.2	<20	250		
10.2	300	<20		
9.5	270	<20		
9.6				

		143	5.1	
				1526
9.2	81	<20		716
		120	6	1418
8.5	150	<20		1259
		213	7	1812
8.9	330	<20		1914
-----	210	<20		
		173	7	
				2025
				2308
				2.9
	264	184	8.8	1.9
				2.3
		265	9.5	
9.7	<20	260		1.5
		211	8	0.4
				0.5
8.0	<20	79		<.1
8.6	<20	94		0.3
8.4	<20	190		0.4
		203	8.7	
8.4	<20	200		0.5
9.9	<20	190		1.6
		194	7.8	1.9
				2.085
				2.152
				2.362
				1.516
				1.238
				1270

0.908  
1.657  
1.823  
2730  
2630  
2620  
1.924  
2660  
2670  
2.346  
3.41  
1.682  
1.35  
0.2363  
0.306  
1160  
0.595  
0.878  
0.677  
1.019  
0.775  
0.88  
1.103  
1.076  
1.066  
1.03  
1.063  
1.062  
1.046  
1.096  
1.051  
1.011  
0.93  
0.884  
1.049  
2400  
0.871  
0.843  
0.434  
0.54  
0.643  
1610  
  
0.292

0.349

0.423

0.79

1870

0.633

0.8

0.87



NA_DIS_MCL_MG	F_MG	HCO3_MG	CO3_MG	OH_MG	NH3_MG	NO2_MG	NO3_MG	NO2_NO3_	
					as N				

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2	-1	0.49	-9	-9	-9	-1	-9	-9	-1
-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9	-9

-9	-1	-1	-9	-9	-9	-1	-9	-9	-1
-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9	-9

-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
2.7	-1	0.57	-9	-9	-9	-9	-9	-9	-9

-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9	-9

-9	3.7	-9	33	0	0	0	0	-9	0
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2.7	4	-9	39	0	-9	-9	-9	-9	-9
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-9	4	-9	28	0	-9	-9	-9	216	-9
-9	7	-9	39	0	-9	-9	-9	-9	-9
-9	1	-9	44	0	-9	-9	-9	0.65	-9
-9	1	0.6	34	-1	-1	-1	-1	0.24	0.24
-9	-1	-1	22	-1	-1	-9	-9	-9	-9
-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
	-1	-1	31	-1	-1	-9	-9	-9	-9
-9.0	-1.0 -9.0	0.6 -9.0	41.0 -9.0	-1.0 -9.0	-1.0 -9.0	-1.0 -9.0	-1.0 -9.0	0.1 -9.0	0.1 -9.0
1.93	1.53								
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
2.26 -9.0 -9.0 2.37	-9.0 <1	-9.0 0.7	-9.0 46.0	-9.0 <5	-9.0 <5	-9.0 <.2	-9.0 <.05	-9.0 0.2	-9.0 0.2

2.86									
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
2.47									
	-1.0	0.8	44.0	-1.0	-1.0				
1.93									
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
1.75									
	-1	-1	34	-1	-1				
1.24									
1.12									
1.44									
0.93									
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
1.06									
1.05									
0.86									
0.90									
	-1	-1	27	-1	-1				
0.97									
1.07									
1.31									
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
	-1	-1	39	-1	-1				
1.33									
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
1.40									
	-1	-1	41	-1	-1				
1.95									
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
2.37									
	-1	0.7	58	-1	-1				
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0

2.56

2.24	-1	0.6	53	-1	-1
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2.70

1.73	-1	-1	34	-1	-1
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1.06  
0.86

1.14

0.87									
-9.00	-1.00	-1.00	24.00	-1.00	-1.00	-9.00	-9.00	-9.00	-9.00
1.03									

1.27

1.67	0.81	0.36							
-9.00	-1.00	-1.00	41.00	-1.00	-1.00	-9.00	-9.00	-9.00	-9.00

2.22

2	0.6	44	-1	-1
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-9.00	1.00	0.70	41.00	-1.00	-1.00	-9.00	-9.00	-9.00	-9.00
	1	0.7	41	-1	-1				

2.713

-9.00	1.00	0.70	41.00	-1.00	-1.00	-9.00	-9.00	-9.00	-9.00
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2.406

-9.00	3.00	0.70	34.00	-1.00	-1.00	-9.00	-9.00	-9.00	-9.00
0.79	BDL	0.22							
	<1	<.5	36	<5	<5				
	<1	<.5	36	<5	<5				
1.419	2	<.5	46	<5	<5				
	<1	0.6	40	<5					
	1	0.6	41	<5	<5				
	4	0.6	44	<5	<5				
	<1	<.5	36	<5	<5				
	<1	<.5	28	<5					
	2	0.5	34	<5					
	2	0.5	25	<5					
	1	0.8	60	<5	<5				
2.9	1	0.7	39	<5	<5				
	2	<.5	39	<5	<5				
	<1	<.5	33	<5	<5				
	<del>&lt;.5</del>	<b>0.44</b>	<b>42</b>	<b>&lt;5</b>	<b>&lt;5</b>				
<b>2.8</b>	<b>1.3</b>	<b>&lt;.05</b>	<b>36</b>	<b>&lt;5</b>	<b>&lt;5</b>				
	1.4	0.69	37	<5	<5				
	1.4	0.6							
0.9	0.7	0.44	30	ND					
2.54	0.47	0.5	39.6	<1		<.05			0.14
2.4	<1	0.6	43.3	<1	<1	0.17			<.10

<1	0.6	45.1	<1	<1
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<1	0.7	42.7	<1	<1
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17.1	0.53	32.94	<1	<1
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3.18	0.36	31.72	<1	<1
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<1	0.5	36	<1	<1
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<1	0.6			<1
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<1	0.6			<1
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3.2	0.4			<1
-----	-----	--	--	----

<1	0.4			<1
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<1	0.6			<1
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3	1	0.6	44	1	1
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3	<1	0.8	40	<1	<1
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3	7	0.7	30	<1	<1
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1	<1	0.3	28	<1	<1
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4706

	2<1			46<1	<1
	2205				
3	<1	0.7	42	<1	<1
	2919				
3	<1	0.8	42	<1	<1
	2670				
2	<1	0.4	37	<1	<1
	1362				
	629				
<1	<1	0.3	28	<1	<1
	572				
	970				
	2<1		0.5	41<1	<1
	1418				
	1756				
3	<1	0.7	41	<1	<1
	2238				
	2317				
	<1		0.8	39<1	<1
	2628				
	2330				
<1	<1		0.2	27<1	<1
	779				
	0.912	0.5	0.23		
	630				
	1.3	0.5	0.28		
	1125				
<1	<1		0.4	32<1	<1
	1.43	0.5	0.43		
	1601				
	1.83	0.7	0.51		
	1	3	0.6	41<5	<5
	1824				
	2.36	0.7	0.45		
	1870				
	2<1			45<5	<5
	3113				
	2.87	<0.5	0.59		
	2070				
	3.3	0.6	0.7		
	2360				
	3.4	0.9	0.69		
	2.92	1.6	0.76		
	2623				

2<1			38<5	<5
1463				
1.3	<0.5	<0.20		
732				
2<1			35<5	<5
1208				
1.7	0.42	0.42		
1140				
2<1			49<5	<5
1797				
2.3	0.5	0.46		
1740				
2.8	0.7	0.49		
2<1			49<1	<1
2077				
2309				
2.6				
3	1	0.6	70<5	<5
1.9				
2.3				
3	1	0.7	44<5	<5
3.34	1.3	0.6		
1.5				
2	2	0.7	38<5	<5
0.4				
0.4				
1.01	<0.5	0.3		
<.1				
0.943	<0.5	0.3		
0.3				
1.83	<0.5	0.4		
0.4				
2<1		0.5	42<5	<5
2.39	<0.5	0.5		
0.4				
2.34	0.6	0.4		
1.8				
3<1		0.6	40<5	<5
1.9				

2.138  
2.055  
2.366  
1.532  
1.267  
1250

0.3

0.949		
1.662		
1.836		
2710	1.2	0.6
2740	1.2	0.6
2610	1.2	0.5
1.886		
2690	1.2	0.5
2660	1.2	0.5
2.39		
3.203		
1.685		
1.38		
2.119		
0.308		
1180	1.2	0.3
0.572		
0.861		
0.661		
0.994		
0.787		
0.875		
1.072		
1.053		
0.941		
1.038		
1.071		
1.077		
1.027		
1.127		
1.07		
1.028		
0.881		
1.014		
0.921		
2520	1	0.2
0.689		
0.8		
0.457		
0.537		
0.63		
1500	1.7	0.3

0.294

0.336

0.583

0.762

1890

0.593

0.808

0.91

K_TOT	MCK_DIS	MGSO4_MG	BI_TOT	BI_DIS	GA_TOT	GA_DIS	MO_TOT	MO_DIS	SN_TOT
-------	---------	----------	--------	--------	--------	--------	--------	--------	--------

0.6	0.6	87	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9	-9

0.5	-9	39	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9	-9

-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	2.9	110	-9	-9	-9	-9	-9	-9	-9

-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9	-9

0.35	0	104	-9	-9	-9	-9	-9	-9	-9
------	---	-----	----	----	----	----	----	----	----

0.8	0.75	136	-9	-9	-9	-9	-9	-9	-9
-----	------	-----	----	----	----	----	----	----	----

0.28	-9	30	-9	-9	-9	-9	-9	-9	-9
------	----	----	----	----	----	----	----	----	----

0.7	-9	80	-9	-9	-9	-9	-9	-9	-9
-----	----	----	----	----	----	----	----	----	----

0.8	-9	137	-9	-9	-9	-9	-9	-9	-9
-----	----	-----	----	----	----	----	----	----	----

1.1	-9	130	-9	-9	-9	-9	-9	-9	-9
-----	----	-----	----	----	----	----	----	----	----

0.6	-9	29	-9	-9	-9	-9	-9	-9	-9
-----	----	----	----	----	----	----	----	----	----

-9.00	-9.00	57.60	-9.000	-9.000	-9.00	-9.00	-9.00	-9.00	-9.00
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0.6		63							
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0.7		100.0							
-9.0	-9.0	98.8	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0

	0	86.2							
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-9.0	-9.0	94.7	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
------	------	------	------	------	------	------	------	------	------

-9.0	-9.0	119.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
------	------	-------	------	------	------	------	------	------	------

		116.0					<10	10.3	
-9.0	-9.0	131.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
0.7	-9.0	140.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
		82.6					<10	<10	

		155.0					<10	13.1	
-9.0	-9.0	149.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
		141.0					<10	<10	
0.9		150.0							
		116.0					<10	<10	
-9.0	-9.0	148.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
		92.0					<10	<10	
-1		69							
		45.6					<10	<10	
		39.9					<10	<10	
		51.7					<10	<10	
		27.6					<10	<10	
-9.0	-9.0	44.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
		36.0					<10	<10	
		32.0					<10	<10	
		32.6					<10	<10	
		31.1					<10	<10	
-1		40							
		34.1					<10	<10	
		39.8					<10	<10	
		50.5					<10	<10	
-9.0	-9.0	52.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
0.6		98							
		55.7					<10	<10	
-9.0	-9.0	76.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
		75.3					<10	11.4	
0.8		95							
		110.0					16.2	14.5	
-9.0	-9.0	107.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
	0.76	130.0					<10	28.8	
1.8		140							
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0



	0.76	150.2						<10	20.1	
0.9		160								
0.73	0.76	286.0						<10	23.5	
		149								
0.77	0.75	135.0						<10	43.0	
0.53	0.57	75.0						<10	17.5	
0.5		78								
0.47	0.43	36.0						<10	<10	
0.46	0.45	31.0						18.4	<10	
0.43	0.43	43.0						<10	<10	
		40								
0.37	0.36	32.0						<10	<10	
-1.00	-9.00	34.00	-9.00	-9.00	-9.00	-9.00	-9.0	-9.0	-9.00	
0.37	0.36	37.0						<10	<10	
0.43	0.50	59.0						<10	<10	
		63								
	BDL	73.4								
0.90	-9.00	99.00	-9.00	-9.00	-9.00	-9.00	-9.0	-9.0	-9.00	
0.63	0.63	108.0						<10	<10	
		101								
0.6		110								
		125								
0.90	-9.00	150.00	-9.00	-9.00	-9.00	-9.00	-9.0	-9.0	-9.00	
0.9		150								
		176						0.0	<10	
1.40	-9.00	150.00	-9.00	-9.00	-9.00	-9.00	-9.0	-9.0	-9.00	
		133								
								0.0	<10	

0.90	-9.00	120.00	-9.00	-9.00	-9.00	-9.00	-9.0	-9.0	-9.00
		30							
	BDL	25							
		35							
	0.6	39							
	0.6	39							
								16.000	
	0.6	62							
		94							
	1	110							
		137							
1		170							
		158							
0.6		190							
		165							
0.5		52							
		37							
<.5		80							
		99							
0.8		110							
		126							
0.7		120							
		139							
0.8		180							
		147							
	<.9	150							
		146							
<1.5		51							
		32							
<1.5		45							
		73							
<b>&lt;1.5</b>		<b>95</b>							
		131							
<b>0.66</b>	<b>0.81</b>	<b>290</b>					<b>&lt;.003</b>	<b>&lt;.003</b>	
		184							
<1.5		230							
0.6		150							
		121							
		66							
	0.2	54.7							
	0.7	105							
		118							
	<1	132							

	112
1.2	136
	157
<1	154
	175
1.79	76.1
<1	57.4
6.46	
<1	140
<1	164
<1	65
0.8	62.2
<1	135

1

<1

1

<1

<1

<1

<1 160

<1 169

<1 66

<1 40

<1 65

<1 101

3 95

2 159

2 46

1.262 1.234

0.465 0.382

<1 0.037

1 61

1.156 1.097

0.752 0.594

0.7 103

0.823 0.797

0.667 0.672

	1	108
0.759	0.733	
<1		150
1599	0.919	
<1		164
0.982	0.922	
<1		69
0.641	0.629	
0.764	0.475	
<1		44
0.462	0.578	
0.505	0.48	
<1		100
0.57	0.6	
0.68	0.609	
<1		
0.682	0.687	
0.614	0.598	
<1		161
0.756	0.683	
0.615	0.605	
<1		33
1174	0.705	
<1		29.4
0.441	0.403	
<1		45.5
426	451	
<1		46
<1		58.6
0.615	0.575	
<1		107
<1		112
0.816	0.784	
<1		112
0.661	0.607	
<1		132
3.237	0.821	
<1		141
0.621	0.547	
<1		167
0.775	0.686	
<1		153
<1		130
0.716	0.649	

	<1	70
0.615	0.509	
	<1	32.5
0.513	0.432	
	<1	67
0.453	0.482	
	<1	70.6
0.57	0.516	
	1	100
0.679	0.725	
	<1	101
0.62	0.588	
	<1	109
	<1	108
0.572	0.603	
0.681	0.643	
0.9	0.7	
	<1	144
0.6	0.6	
0.8	0.8	
	<1	167
	<1	129
0.6	0.7	
	<1	126
0.6	0.6	
0.4	0.4	
	<1	31.1
0.3	0.3	
	<1	39
0.5	0.3	
	<1	75.4
0.5	0.4	
	<1	102
	<1	105
0.5	0.4	
	<1	103
0.6	0.6	
	<1	117
0.6	0.6	

0.542	0.551	
0.569	0.545	
0.715	0.606	
0.564	0.568	
0.456	0.481	
520	459	46.4

0.405	0.422	
0.53	0.534	
0.582	0.587	
	731	139
		140
	722	137
0.692	0.672	
	716	137
	724	138
0.59	0.606	
0.992	1.053	
0.572	0.587	
0.684	0.678	
0.685	0.598	
0.49	0.468	
701	651	44
0.463	0.437	
0.633	0.624	
0.56	0.533	
0.69	0.648	
0.494	0.497	
0.526	0.542	
0.645	0.639	
0.608	0.608	
0.569	0.659	
0.612	0.606	
0.742	0.723	
0.692	0.695	
0.761	0.694	
0.724	0.739	
0.676	0.707	
0.649	0.653	
0.932	0.71	
0.61	0.79	
0.827	0.61	
628	673	30.2
0.703	0.588	
0.634	0.523	
0.43	0.434	
0.521	0.509	
0.498	0.471	
662	555	53.7
0	0	

0	0
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0	0
0	0
581	611
0	0
370	378
443	490



SN_DIS	TI_TOT	TI_DIS	ZR_TOT	ZR_DIS	SiO2_TOT	SiO2_Dis	nSum Catio	Sum Anion	Charge Balance
							meq/L	meq/L	meq/L

-9	-9	-9	-9	-9					
-9	-9	-9	-9	-9					
-9	-9	-9	-9	-9					
-9	-9	-9	-9	-9					
-9	-9	-9	-9	-9					

-9	-9	-9	-9	-9					
-9	-9	-9	-9	-9					
-9	-9	-9	-9	-9					

-9	-9	-9	-9	-9					
-9	-9	-9	-9	-9					

-9	-9	-9	-9	-9
-9	-9	-9	-9	-9

-9	-9	-9	-9	-9
----	----	----	----	----

-9	-9	-9	-9	-9
----	----	----	----	----

-9	-9	-9	-9	-9
----	----	----	----	----

-9	-9	-9	-9	-9
----	----	----	----	----

-9	-9	-9	-9	-9
----	----	----	----	----

-9	-9	-9	-9	-9
----	----	----	----	----

-9	-9	-9	-9	-9
----	----	----	----	----

-9.00	-9.00	-9.00	-9.00	-9.00
-------	-------	-------	-------	-------

-9.0	-9.0	-9.0	-9.0	-9.0
------	------	------	------	------

-9.0	-9.0	-9.0	-9.0	-9.0
------	------	------	------	------

-9.0	-9.0	-9.0	-9.0	-9.0
------	------	------	------	------

-9.0	-9.0	-9.0	-9.0	-9.0	7.67	8.65			
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
					8.56	8.76			

					9.52	10.03
-9.0	-9.0	-9.0	-9.0	-9.0	8.15	9.05
					8.21	7.97
-9.0	-9.0	-9.0	-9.0	-9.0		
					7.27	7.99
					6.79	5.84
					5.27	5.62
					5.80	6.09
					5.65	4.62
-9.0	-9.0	-9.0	-9.0	-9.0		
					5.27	5.78
					5.18	5.55
					5.12	4.89
					4.26	5.51
					4.40	4.80
					4.34	5.17
					4.83	5.78
-9.0	-9.0	-9.0	-9.0	-9.0		
					5.84	6.03
-9.0	-9.0	-9.0	-9.0	-9.0		
					5.86	5.37
					6.77	6.72
-9.0	-9.0	-9.0	-9.0	-9.0		
					7.66	7.89
-9.0	-9.0	-9.0	-9.0	-9.0		

8.70 8.39

8.17 7.60

9.34 8.36

6.97 6.67

5.94 4.73

5.92 4.26

4.98 5.13

-9.00	-9.00	-9.00	-9.00	-9.00	3.990	4.14	-9.00	-9.00	-9.00
					-9.00	-9.00			
					4.090	4.39			

5.37 5.32

-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	7.34	-9.00	-9.00	-9.00
						-9.00			

7.55 7.34

-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
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8.261

-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
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7.875

-9.00   -9.00   -9.00   -9.00   -9.00   -9.00   -9.00   -9.00   -9.00   -9.00

4.38

2.3

2.3

5.445

2.5

3.6

3.96	3.59	4.78
------	------	------

3.97	3.95	0.28
------	------	------

2.62	2.63	-0.2
------	------	------

2.02	1.82	5.12
------	------	------

3.77	3.71	
------	------	--

4.22	4.05	
------	------	--

198	199	
-----	-----	--

2.72	1.85	
------	------	--

3.51	3.51	
------	------	--

3.36	3.21	
------	------	--

4.43	4.17	
------	------	--

3.34	3.09	
------	------	--

1.48	1.36	
------	------	--

			3.01	2.94	
			3.08	3.05	
<1	<1		4.28	4.02	3.13
<1	<1		4.15	3.94	2.53
<1	<1		2.01	1.92	2.34
	<1		1.26	1.32	2.32
<1	<1		2.06	1.93	3.38
<1	<1		2.99	2.99	0.095
<1	<1		2.95	2.82	2.13
<1	<1		4.39	4.01	4.57
<1	<1		1.59	1.15	15.8
<1	<1		1.94	1.84	2.63
<100	<100		2.79	2.94	2.49



<1	<1			2.87	3.04	2.81	
<1	<1			4.01	3.86	1.95	
<1	<1			4.39	4.16	2.77	
<1	<1			2.27	2.06	4.84	
<1	<1			1.4	1.39	0.428	
<1	<1			2.86	2.77	1.55	
<1	<1			4.15	3.94	2.58	
				7.7	3.97	4.06	-1.16%
				4.5	1.02	1.14	-5.63%
				5.4	1.46	1.52	-1.89
				8.4	2.96	3.13	-2.81%
<1	<1			3.31	3.51	-2.86	

<1	<1			2.03	2.1	-1.68
<1	<1			1.93	2.01	-2.12
<1	<1			2.68	2.92	-4.27
<1	<1			2.84	3.09	-4.19
	1<1			3.65	4.23	-7.37
<1	<1			4.28	4.28	-0.0275
<1	<1			3.3	3.35	-7.67
<1	<1					
<1	<1			2.64	2.87	-4.06
<1	<1					
<1	<1			3.11	3.14	-0.514





Sampler	Well Depth	Water level	Casing	water	DOC	TOC
	feet	feet	abv. Grd.	column		









Silverton Sch

Silverton Sch  
Silverton Sch

Silverton Sch

Phil Alcon

Silverton Sch  
GN  
Silverton Sch

Silverton Sch  
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Silverton Sch  
Phil Alcon  
Silverton Sch

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GN EN

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Silverton Sch

Phil Alcon

Phil Alcon

Phil Alcon

Phil Alcon

Phil Alcon

Phil Alcon

Phil Alcon



1.16

0.504



0.7



Phil Alcon

Phil Alcon

Phil Alcon

Phil Alcon

Phil Alcon

Phil Alcon

Phil Alcon

Phil Alcon

0.78      0.81

0.67      0.59

Phil Alcon

<0.50      <0.50

0.54      <0.50

Phil Alcon

<0.50      <0.50

Alcon

Alcon

Alcon

Alcon

Alcon

Phil Alcon

Phil Alcon

Phil Alcon

Phil Alcon

Phil Alcon























[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



























[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]











# A68

DATE HARD\_MGCA\_DIS\_MM MG\_DIS\_MM  
as CaCO3=

09/05/91	121	-9.0	-9.0
09/06/91	97	-9.0	-9.0
09/07/91	87	-9.0	-9.0
09/09/91	77	-9.0	-9.0
09/10/91	86	-9.0	-9.0
12/08/91	180		
01/15/92	184		
02/13/92	192		
03/05/92	188		
03/16/92	208		
04/13/92	20		
04/20/92	64		
04/30/92	102		
05/05/92	72		
05/11/92	80		
05/18/92	72		
05/26/92	62		
06/01/92	74		
06/08/92	68		
06/15/92	54		
06/22/92	58		
06/23/92	57	-9.0	-9.0
06/24/92	55	-9.0	-9.0
06/25/92	58	-9.0	-9.0
07/14/92	80		
07/21/92	96		
07/27/92	90		
08/10/92	112		
08/24/92	-9		
9/15/1992			
09/16/92	136		
10/14/92	154		
10/14/92	152	-9.0	-9.0
10/15/92	152	-9.0	-9.0
11/18/92	154		
12/16/92	36		
01/13/93	38		
02/17/93	180		
03/10/93	180		
03/31/93	200		

Jan.	Feb	Mar	Apr	May
Hardness	Hardness	Hardness	Hardness	Hardness
184	192	188	20	72
38	180	208	64	80
20	52	180	102	72
72		200	36	62
		200	200	128
		180	130	78
		228	182	72
		40	84	90
			58	68
			16	80
				80
				40
				106
				60
				46
				82

COLOR CODE:

1991 1992

All red font are averages of same day s

04/14/93	36		
04/21/93	200		
<b>04/29/93</b>	<b>-9</b>		
05/04/93	128		
05/12/93	78		
05/26/93	72		
06/02/93	58		
<b>06/09/93</b>	<b>-9</b>		
06/16/93	56		
06/23/93	48		
07/14/93	66		
07/20/93	71	-9.0	-9.0
07/21/93	72		
07/21/93	70	-9.0	-9.0
07/28/93	78		
08/11/93	84		
08/25/93	108		
09/15/93	148		
10/13/93	150		
11/17/93	162		
12/15/93	174		
01/12/94	20		
<b>03/16/94</b>	<b>-9</b>		
03/30/94	200		
<b>4/13/1994</b>	<b>-9</b>		
<b>04/20/94</b>	<b>-9</b>		
04/27/94	130		
05/03/94	90		
<b>05/11/94</b>	<b>8</b>		
05/18/94	68		
5/24/1994	80		
06/01/94	48		
06/08/94	40		
06/15/94	54		
06/22/94	50		
07/13/94	98		
07/20/94	122		
07/27/94	104		
08/10/94	120		
08/24/94	134		
09/15/94	104		
10/13/94	116		
11/09/94	144		
<b>11/09/94</b>	<b>-9</b>	0.0	0.0
12/13/94	200		
01/18/95	72		
<b>02/15/95</b>	<b>-9</b>		

<b>03/01/95</b>	<b>2</b>		
3/15/1995	180		
4/6/1995	182		
<b>4/12/1995</b>	<b>-9</b>		
<b>04/12/95</b>	<b>-9</b>	-9.0	13.0
4/19/1995	84		
<b>05/03/95</b>	<b>-9</b>		
5/10/1995	80		
5/22/1995	40		
<b>05/31/95</b>	<b>-9</b>		
06/07/95	172		
<b>06/14/95</b>	<b>-9</b>		
06/21/95	64		
<b>06/21/95</b>	<b>-9</b>	-9.0	-9.0
06/28/95	58		
07/05/95	160		
7/12/1995	46		
07/19/95	52		
08/02/95	124		
08/16/95	94		
09/06/95	-9	-9.0	-9.0
9/13/1995	104		
10/11/95	124		
11/15/1995	24		
<b>11/29/95</b>	<b>-9</b>	-9.0	-9.0
12/13/1995	366		
02/14/96	52		
03/13/96	228		
03/20/96	40		
4/3/1996	8	Outlier, didn't use	
<b>04/09/96</b>		-9.0	-9.0
04/10/96	58		
04/17/96	16		
05/01/96	106		
05/08/96	60		
05/15/96	46		
<b>05/21/96</b>	<b>-9</b>	-9.0	-9.0
05/29/96	82		
06/05/96	56		
<b>06/12/96</b>	<b>-9</b>		
06/18/96	74.40	-9.0	-9.0
06/19/96	98		
06/26/96	62		
07/03/96	70		
07/10/96	70		
07/16/96			
07/17/96	82		

08/07/96	118		
8/14/1996			
8/14/1996	152.0	-9.0	-9.0
08/21/96	148		
09/18/96	124		
10/01/96	125	46.0	
10/16/96	124		
10/18/1996	130.0	-9.0	-9.0
10/23/1996	128.00		
11/7/1996	152.0	-9.0	-9.0
11/13/1996	160.0		
11/19/96		52.4	2.9
12/13/1996	169.0	-9.0	-9.0
1/7/1997		-9.0	
01/08/97		56.1	3.0
01/30/97		69.2	3.5
2/5/1997	161.0	-9.0	-9.0
02/25/97		60.1	3.2
3/5/1997			
03/12/97	170		
03/19/97	180		
03/25/97		44.8	2.7
04/02/97	168		
4/11/1997	180.0	-9.0	-9.0
04/16/97	-9		
4/16/1997	122.00		
04/29/97		41.9	2.6
04/30/97	-9		
05/07/97			
05/14/97		24.9	1.6
05/21/97	66		
05/21/97		21.6	1.4
05/28/97	140		
05/29/97		27.1	1.7
06/04/97	62		
06/05/97		16.9	1.1
6/10/1997	56.0	-9.0	-9.0
6/11/1997	78.0		
06/11/97		21.8	1.4
06/16/97		20.8	1.4
6/18/1997	40.0		
6/25/1997	98.0		
06/26/97		18.5	1.2
07/01/97		19.2	1.3
7/2/1997	70.0		
07/09/97			
07/15/97		20.7	1.4

7/16/1997	72.0		
07/30/97		23.0	1.6
08/12/97		27.8	1.9
8/13/1997	20.0		
8/13/1997	87.0	-9.0	-9.0
09/11/97			
9/11/1997	126.00		
9/17/1997	110.0		
09/25/97		29.1	2.0
10/8/1997	121.0	-9.0	-9.0
10/15/1997	116.0		
10/22/97		35.6	2.1
11/12/97			
11/12/1997	220.0		
11/25/97		49.6	2.7
12/3/1997	163.0	-9.0	-9.0
12/17/1997	184.0		
12/23/97		55.8	3.1
01/07/98			
2/4/1998	-9.0	-9.0	-9.0
02/12/98	164	60.3	3.3
3/4/1998	224.0		
03/05/98			
03/16/98	156	57.3	3.2
3/18/1998	168.0		
4/1/1998	190.0		
04/08/98	210		
4/15/1998	194.0		
04/23/98	155	56.5	3.3
4/29/1998	118.0		
5/5/1998	134.0		
05/06/98	99	36.2	2.1
05/07/98			
5/13/1998	86.0		
5/20/1998	102.0		
5/27/1998	66.0		
05/29/98	58	20.9	1.3
06/02/98	50	18.3	1.1
6/3/1998	100.0		
06/09/98	67	24.3	1.5
6/10/1998	100		
06/10/98	73	26.4	1.7
6/17/1998	110.0		
6/17/1998	66		
6/24/1998	50.0		
06/24/98	52	18.9	1.2
07/01/98	-9.00	-9.0	-9.0

Jan.	Feb	Mar	Apr	May
Hardness	Hardness	Hardness	Hardness	Hardness
173.4	164	224	190	134
187.9	238	156	210	99
	169	168	194	86
	198	32.0	610	102
	216	197.9	118	66
	188.0	204.0	158	58
	180	180	96	71.9
			144	78.2
			181	
			169	

**COLOR CODE:**

1998 1999

All red font are averages of same day s  
In column B, purple font means a calc

07/09/98	59	21.5	1.4
7/15/1998	52.0		
7/22/1998	90.0		
07/22/98	78	28.5	1.8
08/05/98	104		
8/26/1998	182.0		
9/2/1998	108	39.3	2.4
09/09/98	-9.00	-9.0	-9.0
9/16/1998	130.0		
09/30/98	134	49.0	2.8
10/07/98	135		
11/03/98			
11/18/1998	58.0		
12/02/98	297	109.0	6.1
01/06/99	-9.00	-9.0	-9.0
01/06/99			
02/04/99	238		
02/17/99	169	62.3	3.3
2/24/1999	198.0	-9.0	-9.0
03/03/99	-9.00	-9.0	-9.0
3/17/1999	32.0	-9.0	-9.0
4/1/1999	-9.0	-9.0	-9.0
04/07/99	158		
4/26/1999	96.0	-9.0	-9.0
04/29/99	144	52.4	3.1
05/06/99	-9.00	-9.0	-9.0
06/09/99	53		
6/23/1999	48.9	17.5	1.3
07/07/99	55		
8/4/99	#REF!		
8/4/1999			
08/19/99	86	31.1	2.0
9/1/1999			
9/16/1999	140.0	36.1	2.6
10/06/99	132		
10/14/1999	13.0	22.4	1.7
11/3/99			
11/17/1999	10.0	56.2	3.7
12/01/99	175		
1/5/00	173.4		
02/02/00	216		
2/28/2000	188.0	56.8	3.7
3/1/00	197.9		
3/15/2000	204.0	59.7	3.9
04/05/00	181		
5/3/00	71.9		
06/07/00	56		

Use calculated hardness of 63

Use calculated hardness of 156

7/5/00	103.9		
08/02/00	127		
9/6/00	131.8		
10/04/00	145		
11/1/00	131.8		
12/06/00	155		
1/3/01	187.9		
02/07/01	180		
3/14/01	180	66.0	3.7
04/04/01	169		
5/2/01	78.2		
06/06/01	55		
7/6/01	69.4		
08/01/01	88		
9/5/01	123.9		
10/03/01	159		
11/7/01	160.9	58.0	3.3
12/05/01	187		
1/2/02	217.5		
3/6/02			
04/03/02	135		
05/01/02	90		
6/5/02			4.5
6/27/2002	120.0	39.8	2.6
7/3/02			
7/17/2002	-9.0	48.5	3.1
08/07/02	142		
8/14/2002	170.0	50.2	3.2
9/4/02		62.2	
9/18/2002	156.0	47.1	3.3
10/02/02	144		
10/25/2002	156.0	50.4	3.4
11/6/02			
11/12/2002	188.0	57.1	3.4
12/04/02	189		
12/8/2002	-9.0	60.2	3.9
1/8/2003	214.0	64.5	3.9
1/9/2003			
2/1/2003	192.0	65.4	4.1
02/05/03	191		
3/9/2003	220.0	64.2	4.0
4/24/2003	170.0	47.4	3.2
5/7/2003	122.0	36.6	2.5
5/7/2003			
6/2/2003	58	0	0
7/2/2003	94.0	29.0	2.2
7/2/2003			

8/14/2003	112.0	38.2	2.9
9/11/2003	156.0	40.9	3.2
9/11/03			
10/4/2003	136.0	44.2	3.0
11/6/03			
12/29/2003	236.0	62.5	3.9
3/3/2004	208.0	64.6	4.0
3/3/04			
4/16/2004	156.0	48.1	3.3
5/5/2004	96.0	31.0	1.8
5/5/04			
5/28/2004	60.0	20.3	1.0
6/17/2004	64.0	21.1	1.4
7/7/2004	84	28.3	1.7
7/7/04			
8/19/2004	136.0	50.9	4.0
9/1/04			
9/15/2004	164	50.2	3.5
10/14/2004	154.0	28.3	1.7
11/10/04	160	52.8	3.4
11/10/04		58.0	4.0
12/08/04	180	55.0	3.7
01/20/05	-9	64.0	3.6
02/15/05	190	63.6	3.9
03/02/2005		72	4
03/13/05	188	61.2	3.8
04/09/05	170	53.3	3.8
05/04/05	144	45.6	3.3
05/04/2005		25	
6/9/2005	70	19.9	1.4
7/6/2005	70	21.3	1.5
07/06/2005		24	2
8/10/05	128	34.515	2.436
<b>9/14/05</b>	<b>140</b>	<b>49.349</b>	<b>3.12</b>
9/14/05	140	49.349	3.12
09/15/2005		50	3
10/13/05	128	41.02	2.83
11/2/05	6	42.82	2.8
11/2/05			
12/20/05	194	58.093	3.63
1/6/06	212	60.759	3.95
01/06/2006		69	4
2/8/06	212	72.535	4.569
<b>3/7/06</b>	<b>203</b>	<b>72.535</b>	<b>4.569</b>
3/15/06		62.001	4.151
03/15/2006		67	4
<b>4/5/06</b>	<b>175</b>	<b>62.001</b>	<b>4.151</b>



4/5/06	40	56.129	3.931
5/10/06		30.66	2.056
05/10/2006		33	2
05/16/2006		21	2
<b>6/6/06</b>	<b>52</b>	<b>56.129</b>	<b>3.931</b>
6/6/06	52	17.502	1.066
7/12/06	94	29.966	2.102
07/12/2006	-9	32	2
<b>8/2/06</b>	<b>116</b>	<b>17.502</b>	<b>1.066</b>
8/2/06	116	34.172	2.235
<b>9/6/06</b>	<b>144</b>	<b>29.966</b>	<b>2.084</b>
9/6/06	144	43.02	2.846
09/06/2006		51	3
10/11/06	86	28.598	1.817
11/1/06	100	40.564	2.689
11/01/2006		48	3
12/5/06	184	52.504	3.38
1/11/07	136	56.984	3.64
2/6/07	166	55.955	3.502
3/7/07	190	58.688	3.626
03/07/2007	196	72	4
4/2/07	143	52.046	3.209
<b>4/2/2007</b>	<b>222</b>	<b>52.046</b>	<b>3.209</b>
05/11/2007	71	25	2
5/11/2007	106	25.401	1.267
6/5/2007	56	17.413	0.842
6/14/07	57	20.2	1.55
07/11/2007	88	32	2
7/11/2007	120	28.789	1.643
8/6/2007	128	29.004	1.618
09/05/2007	128	46.4	2.9
9/5/2007	194	46.791	2.83
10/25/2007	128	42.4	2.512
10/25/2007	168	<b>42.385</b>	<b>2.512</b>
11/07/2007	132	48	3
12/5/2007	236	52.99	3.069
01/02/08	181	66.0	4.0
1/2/2008	170	61.973	3.566
03/12/08	196	72.0	4.0
4/10/2008	164	56.723	5.349
05/07/08	110	39.0	3.0
5/7/2008	104	31.204	2.215
6/3/2008	44	16.605	1.211
07/09/08	68	24.0	2.0
7/9/2008	66	19.389	1.415
8/5/2008	92	29.042	1.977
09/03/08	137	50	3

Jan.	Feb	Mar	Apr	May
Hardness	Hardness	Hardness	Hardness	Hardness
136	166	193	143	88
175	202	196	164	107
180	200	214	176	50
		190	146	48.9
		164	168	103
		212		
		172		120

**COLOR CODE:**

2007 2008

All red font are averages of same day s  
In column B, purple font means a calc

9/3/2008	150	41.237	2.629
10/6/2008	162	48.956	3.071
11/07/08	201	74.0	4.0
11/7/2008	202	60.069	3.585
12/3/2008	204	57.084	3.487
3/4/2009	<del>32</del>	70	4 Use calculated hardness of 191
3/4/2009	236	65.234	3.964
4/6/2009	176	52.071	3.285
5/13/2009	<del>22</del>	17	1 Use calculated hardness of 47
5/13/2009	52	18.785	1.373
05/19/09	48.9	17.4	1.32
6/2/2009	60	20.402	1.492
06/16/09	65.4	23.3	1.75
7/8/2009	74	26.306	1.759
7/8/2009	<del>27</del>	26	2 Use calculated hardness of 74
07/14/09	84.8	30.5	2.1
8/12/2009	74	44.659	2.628
08/18/09	135	49.1	3.01
9/16/2009	<del>34</del>	51	4 Use calculated hardness of 144
9/16/2009	124	49.94	4.103
09/22/09	141	51.4	3.14
10/5/2009	126	51.459	3.266
11/4/2009	<del>160</del>	59.0	3.0
11/5/2009	198	50.963	11.603
11/17/09	167	60.7	3.64
12/1/2009	168	58.344	3.352
2/17/2010	<del>202</del>	73.9	4.13
3/2/2010	190	66.658	3.413
03/17/10	179	65.6	3.81
3/17/2010	<del>148</del>	53.6	3.49
4/16/2010	146	61.441	3.802
5/5/2010	<del>96</del>	35.0	2.0
5/5/2010	110	34.162	2.088
06/02/10	50	17.9	1.31
6/2/2010	58	17.536	1.172
7/8/2010	<del>93</del>	34.0	2.0
7/8/2010	92	30.939	2.128
07/13/10	97	34.9	2.31
8/10/2010	110	33.469	2.601
9/9/2010	<del>130</del>	47.0	3.0
9/9/2010	140	46.553	2.81
09/14/10	144	52.4	3.25
10/4/2010	156	48.802	2.71
11/02/10	154	56.3	3.27
11/3/2010	<del>137</del>	50.0	3.0
11/3/2010	180	50.232	2.845
12/7/2010	168	51.269	3.113

1/5/2011	184	63	4
1/5/2011		64.0	4.0
2/11/2011	200	64	4
3/9/2011	216	69	4
3/9/2011		75	5
03/15/11	172	61.9	4.1
4/6/2011	168	55	4
5/4/2011		58	4
5/8/2011	120	38	3
6/3/2011	70	21	1
06/14/11	53	18.7	1.5
7/5/2011	58	20	1
07/19/11	66	23.3	1.8
8/1/2011	94	32	2
08/16/11	111	40	2.7
9/7/2011	154	43	2
9/7/2011		46	3
09/13/11	140	51	3
10/7/2011	160	45	3
10/18/11	138	50.2	3.1
11/2/2011	164	48.8	3.1
11/2/2011		54	3
12/7/2011	180	57.8	3.1

1/5/2012	224
2/9/2012	200
3/7/2012	194
4/3/2012	112
5/2/2012	82
5/15/2012	72
6/2/2012	66
8/6/2012	126
9/4/2012	164
10/1/2012	174
10/1/2012	172
10/2/2012	172
10/3/2012	176
10/3/2012	173
10/4/2012	174
11/7/2012	180
12/10/2012	300
1/7/2013	248
3/11/2013	228
4/10/2013	200
5/7/2013	86
5/14/2013	
6/5/2013	68

Jan.	Feb	Mar	Apr	May	June
Hardness	Hardness	Hardness	Hardness	Hardness	Hardness
224	200	194	112	82	66
248	184	228	200	72	68
172		90	176	86	52
		188	200	132	53
		188	148	103	64
		194	148	63	
		190	151	53	
			148		
			138		
			98		
			92		

COLOR CODE:

2012 2013 2014

All red font are averages of same day samples

7/7/2013	132
8/4/2013	108
9/10/2013	138
10/2/2013	98
11/8/2013	136
12/13/2013	164
1/8/2014	172
2/7/2014	184
3/5/2014	90
3/21/2014	188
3/22/2014	188
3/25/2014	194
3/26/2014	190
4/4/2014	176
4/5/2014	200
4/9/2014	148
4/10/2014	136
4/10/2014	156
4/16/2014	151
4/17/2014	148
4/18/2014	138
4/25/2014	98
4/26/2014	92
5/1/2014	132
5/5/2014	
5/13/2014	103
5/21/2014	63
5/28/2014	53
6/6/2014	54
6/6/2014	50
6/13/2014	53
6/23/2014	64
7/1/2014	70
7/2/2014	65
7/12/2014	74
7/20/2014	92
7/25/2014	93
8/1/2014	102
9/5/2014	138
9/24/2014	114
10/2/2014	100
11/7/2014	142
12/5/2014	154

June	July	Aug	Sept	Oct	Nov	Dec
Hardness	Hardness	Hardness	Hardness	Hardness	Hardness	Hardness
74	80	112	121	180	154	36
68	96	84	97	152	162	174
54	90	108	87	153	144	200
58	66	120	77	150	24	366
57	71	134	86	116		
55	71	124	136	124		
58	78	94	148			
58	98		104			
56	122		104			
48	104					
48	160					
40	46					
54	52					
50						
172						
64						
58						
56						
74.40						
98						
62						

Ave. Hardness  
1991 - mid 1996

1993	1994	1995	1996
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amples









June	July	Aug	Sept	Oct	Nov	Dec
Hardness	Hardness	Hardness	Hardness	Hardness	Hardness	Hardness
50	59	104	108	135	58.0	297
100.0	52.0	182.0	130	145	156	175
67	84	86	134	159	131.8	155
87	55	127	140.0			187
88	103.9	88	131.8			
51	69.4					
53						
48.9						
56						
55						

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Ave. Hardness  
1998 - 2001

2000	2001
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amples  
ulated hardness.







June	July	Aug	Sept	Oct	Nov	Dec
Hardness	Hardness	Hardness	Hardness	Hardness	Hardness	Hardness
56	104	128	161	148	132	236
57	67	92	144	162	202	204
44	74	74	134	126	160	168
60	84.8	135	141	156	168	168
65.4	93	110	135	160	167	180
54	97	94	144	138	154	
70	58	111	141		159	
53	66		140		156	

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Ave. Hardness  
2007 - 2011

2009	2010	2011
------	------	------

amples  
ulated hardness.



July	Aug	Sept	Oct	Nov	Dec
Hardness	Hardness	Hardness	Hardness	Hardness	Hardness
132	126	164	173	180	300
70	108	138	172	136	164
65	102	138	174	142	154
74		114	174		
92			98		
93			100		

	Jan
Ave. Hardness	
2012 - 2014	215







Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	
	79	141	178	89	76	65	87	111	107	146







Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	
	181	193	166	207	87	66	71	117	129	146









Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
164	189	192	159	97	57	80	106	142	148



Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
192	182	146	84	61	88	112	139	149	153



Nov	Dec
121	194









Nov	Dec
115	204







Nov	Dec
166	191



Dec

206





DATE	PH
09/05/91	7.91
09/06/91	7.8
09/07/91	7.66
09/09/91	7.53
09/10/91	7.77
12/08/91	7.9
01/15/92	7.41
02/13/92	7.34
03/05/92	7.41
03/16/92	7.29
04/13/92	7.39
04/20/92	7.5
04/30/92	8
05/05/92	7.43
05/11/92	7.4
05/18/92	7.38
05/26/92	7.23
06/01/92	7.44
06/08/92	7.51
06/15/92	7.7
06/22/92	7.49
06/23/92	7.3
06/24/92	7.5
06/25/92	7.6
07/14/92	7.68
07/21/92	7.5
07/27/92	7.52
08/10/92	7.66
08/24/92	7.03
9/15/1992	7.61
09/16/92	7.41
10/14/92	7.63
10/14/92	6.3
10/15/92	6.5
11/18/92	7.46
12/16/92	7.21
01/13/93	7.15
02/17/93	7.3
03/10/93	7.52
03/31/93	7.05
04/14/93	7.21

Jan. pH	Feb pH	Mar pH	Apr pH	May pH	June pH	July pH	Aug pH
7.41	7.34	7.41	7.39	7.43	7.44	7.68	7.66
7.15	7.3	7.29	7.50	7.40	7.51	7.50	7.03
7.31	6.63	7.52	8.00	7.38	7.70	7.52	7.55
7.31	7.21	7.05	7.21	7.23	7.49	7.4	8.1
		7.16	6.94	7.16	7.30	7.7	7.42
		7.25	7.3	7.5	7.50	6.96	7.57
		7.31	7.34	7.21	7.60	7.4	7.52
		7.17	7.01	7.27	8.41	7.72	7.53
		6.44	7.2	7.17	7.2	7.59	
		7.94	6.91	7.47	7.28	7.58	
			7.45	7.45	7.39	7.09	
			7.13	7.12	7.48	7.03	
			6.94	7.25	7.59	7.29	
			7.23	7.75	7.56		
			6.8	7.3	7.43		
			7.6	7.29	7.46		
				7.26	7.25		
				7.11	7.26		
				6.92	7.18		
				6.03	7.13		
					7.45		
					6.96		
					6.59		
					7.37		

**COLOR CODE:** 1991 1992 1993 1994 1995

All red font are averages of same day samples

04/21/93	6.94
04/29/93	7.3
05/04/93	7.16
05/12/93	7.5
05/26/93	7.21
06/02/93	8.41
06/09/93	7.2
06/16/93	7.28
06/23/93	7.39
07/14/93	7.4
07/20/93	7.7
07/21/93	7.37
07/21/93	6.55
07/28/93	7.4
08/11/93	7.55
08/25/93	8.1
09/15/93	8.2
10/13/93	7.67
11/17/93	7.38
12/15/93	7.13
01/12/94	7.31
03/16/94	7.16
03/30/94	7.25
4/13/1994	7.34
04/20/94	7.01
04/27/94	7.2
05/03/94	7.27
05/11/94	7.17
05/18/94	7.47
5/24/1994	7.45
06/01/94	7.48
06/08/94	7.59
06/15/94	7.56
06/22/94	7.43
07/13/94	7.72
07/20/94	7.59
07/27/94	7.58
08/10/94	7.42
08/24/94	7.57
09/15/94	7.68
10/13/94	7.9
11/09/94	7.18
11/09/94	6.55
12/13/94	7.22
01/18/95	7.31
02/15/95	6.63
03/01/95	7.31

3/15/1995	7.17
4/6/1995	6.91
4/12/1995	7.1
04/12/95	7.8
4/19/1995	7.13
05/03/95	7.12
5/10/1995	7.25
5/22/1995	7.75
05/31/95	7.3
06/07/95	7.46
06/14/95	7.25
06/21/95	7.16
06/21/95	7.35
06/28/95	7.18
07/05/95	7.09
7/12/1995	7.03
07/19/95	7.29
08/02/95	7.52
08/16/95	7.53
09/06/95	7.55
9/13/1995	7.34
10/11/95	7.31
11/15/1995	7.51
11/29/95	7.19
12/13/1995	7.49
02/14/96	7.21
03/13/96	6.44
03/20/96	7.94
4/3/1996	6.94
04/09/96	7.23
04/10/96	6.8
04/17/96	7.6
05/01/96	7.29
05/08/96	7.26
05/15/96	7.11
05/21/96	6.92
05/29/96	6.03
06/05/96	7.13
06/12/96	7.45
06/18/96	6.96
06/19/96	6.59
06/26/96	7.37
07/03/96	7.63
07/10/96	7.36
07/16/96	5.15
07/17/96	7.53
08/07/96	7.12

8/14/1996	7.5
8/14/1996	7.1
08/21/96	6.96
09/18/96	7.47
10/01/96	8.35
10/16/96	7.07
10/18/1996	7.4
10/23/1996	7.68
11/7/1996	7.6
11/13/1996	7.0
11/19/96	7.54
12/13/1996	6.7
1/7/1997	6.2
01/08/97	6.67
01/30/97	6.48
2/5/1997	6.8
02/25/97	6.90
3/5/1997	7.6
03/12/97	7.25
03/19/97	6.92
03/25/97	6.42
04/02/97	7.12
4/11/1997	7.4
04/16/97	7.02
4/16/1997	7.65
04/29/97	6.14
04/30/97	7.06
05/07/97	7.35
05/14/97	7.15
05/21/97	7.21
05/21/97	6.10
05/28/97	7.37
05/29/97	6.45
06/04/97	7.18
06/05/97	6.09
6/10/1997	6.6
6/11/1997	7.3
06/11/97	6.95
06/16/97	6.85
6/18/1997	7.71
6/25/1997	7.30
06/26/97	6.65
07/01/97	6.69
7/2/1997	7.36
07/09/97	7.33
07/15/97	6.70
7/16/1997	7.58

07/30/97	6.79
08/12/97	6.64
8/13/1997	7.24
8/13/1997	6.1
09/11/97	6.7
9/11/1997	7.58
9/17/1997	7.66
09/25/97	6.83
10/8/1997	6.8
10/15/1997	7.6
10/22/97	6.42
11/12/97	7.57
11/12/1997	7.62
11/25/97	6.48
12/3/1997	6.7
12/17/1997	7.8
12/23/97	5.80

01/07/98	7.41
2/4/1998	7.2
02/12/98	5.96
3/4/1998	7.2
03/05/98	7.38
03/16/98	7.40
<del>3/18/1998</del>	<del>-9.00</del>
<del>4/1/1998</del>	<del>-9.00</del>
04/08/98	6.61
4/15/1998	6.32
04/23/98	6.54
4/29/1998	7.19
5/5/1998	7.15
05/06/98	6.98
05/07/98	6.95
5/13/1998	6.80
5/20/1998	6.96
5/27/1998	7.16
05/29/98	6.81
06/02/98	6.56
6/3/1998	6.57
06/09/98	6.60
6/10/1998	6.57
06/10/98	6.9
6/17/1998	7.01
6/17/1998	6.45
6/24/1998	5.88
06/24/98	6.86
07/01/98	7.29
07/09/98	7.00

Jan.	Feb	Mar	Apr	May	June	July	Aug
pH	pH	pH	pH	pH	pH	pH	pH
7.41	7.23	7.15	6.61	7.15	6.56	7.29	6.1
7.08	5.96	7.38	6.32	6.98	6.57	7.00	5.76
7	6.69	7.40	6.54	6.95	6.60	6.18	7.37
7.1	7.13	7.07	7.19	6.80	6.74	6.57	7.05
	7.40	7.15	7.14	6.96	6.73	5.95	7.12
	6.1	6.29	7.34	7.16	6.37	7.27	7.06
	6.97	7	7.34	6.81	6.94	7.2	
	6.28		6.90	6.81	7.25		
			6.63	6.45	6.4		
			6.31	6.75	6.44		

COLOR CODE: 1998 1999 2000 2001

All red font are averages of same day samples

7/15/1998	6.18
7/22/1998	6.19
07/22/98	6.95
08/05/98	6.1
8/26/1998	5.76
9/2/1998	6.89
09/09/98	7.60
9/16/1998	5.83
09/30/98	7.27
10/07/98	7.65
11/03/98	7.21
11/18/1998	6.73
12/02/98	6.63
01/06/99	7.40
01/06/99	6.75
02/04/99	6.69
02/17/99	7.13
2/24/1999	7.40
03/03/99	7.07
3/17/1999	7.15
4/1/1999	7.14
04/07/99	7.34
4/26/1999	7.34
04/29/99	6.90
05/06/99	6.81
06/09/99	6.94
6/23/1999	7.25
07/07/99	5.95
8/4/99	7.37
8/4/1999	7.37
08/19/99	7.05
9/1/99	7.11
9/16/1999	7.23
10/06/99	6.87
10/14/1999	7.23
11/3/99	7.11
11/17/1999	8.14
12/01/99	6.05
1/5/00	7
02/02/00	6.1
2/28/2000	6.97
3/1/00	6.29
<b>3/15/2000</b>	<b>-9.00</b>
04/05/00	6.63
5/3/00	6.45
06/07/00	6.4
7/5/00	7.27

08/02/00	7.12
9/6/00	6.64
10/04/00	6.69
11/1/00	6.7
12/06/00	6.51
1/3/01	7.1
02/07/01	6.28
3/14/01	7
04/04/01	6.31
5/2/01	6.75
06/06/01	6.44
7/6/01	7.2
08/01/01	7.06
9/5/01	7.7
10/03/01	7.14
11/7/01	7.28
12/05/01	6.4
1/2/02	7.06
3/6/02	6.8
04/03/02	6.09
05/01/02	6.26
6/5/02	7.46
6/27/2002	7.66
7/3/02	7.58
7/17/2002	7.42
08/07/02	6.66
8/14/2002	7.46
9/4/02	7.67
9/18/2002	7.76
10/02/02	6.23
10/25/2002	7.56
11/6/02	7.1
11/12/2002	7.79
12/04/02	7.03
12/8/2002	7.42
1/8/2003	7.56
1/9/2003	7
2/1/2003	7.54
02/05/03	5.94
3/9/2003	7.39
4/24/2003	7.70
5/7/2003	7.67
5/7/2003	7.3
6/2/2003	7.37
7/2/2003	7.55
7/2/2003	7.2
8/14/2003	7.70

9/11/2003	7.65
9/11/03	7
10/4/2003	7.68
11/6/03	7.3
12/29/2003	7.28
3/3/2004	7.30
3/3/04	7.3
4/16/2004	7.26
5/5/2004	7.00
5/5/04	7
5/28/2004	7.88
6/17/2004	7.58
7/7/2004	7.02
7/7/04	7.02
8/19/2004	7.57
9/1/04	7.25
9/15/2004	7.68
10/14/2004	7.66
11/10/04	7.26
11/10/04	7.14
12/08/04	7.49
01/20/05	7.23
02/15/05	7.06
03/02/2005	
03/13/05	7.16
04/09/05	7.31
05/04/05	6.9
05/04/2005	
6/9/2005	7.23
7/6/2005	7.33
07/06/2005	
8/10/05	7.68
<b>9/14/05</b>	<b>5.88</b>
9/14/05	7.15
9/15/2005	
10/13/05	8.18
11/2/05	7.22
11/2/05	7.76
12/20/05	7.3
1/6/06	7.11
01/06/2006	7.11
2/8/06	6.9
<b>3/7/06</b>	<b>7.15</b>
3/15/06	6.3
03/15/2006	6.3
<b>4/5/06</b>	<b>7.24</b>
4/5/06	7.24



5/10/06	6.41
05/10/2006	6.41
05/16/2006	6.37
<b>6/6/06</b>	<b>7.05</b>
6/6/06	7.05
7/12/06	7.74
07/12/2006	6.7
<b>8/2/06</b>	<b>7.44</b>
8/2/06	7.44
<b>9/6/06</b>	<b>7.74</b>
9/6/06	7.74
09/06/2006	6.3
10/11/06	7.49
11/1/06	7.42
11/01/2006	6.9
12/5/06	7.23
1/11/07	7.15
2/6/07	7.42
3/7/07	6.73
03/07/2007	6.73
4/2/07	6.58
<b>4/2/2007</b>	<b>5.43</b>
05/11/2007	6.59
5/11/2007	6.77
6/5/2007	7.13
6/14/07	7.6
07/11/2007	7.1
7/11/2007	7.02
8/6/2007	7.4
09/05/2007	7.15
9/5/2007	6.53
10/25/2007	7.11
<b>10/25/2007</b>	<b>6.25</b>
11/07/2007	7.03
12/5/2007	5.91
01/02/08	6.83
<b>1/2/2008</b>	
03/12/08	6.8
<b>4/10/2008</b>	
05/07/08	6.83
5/7/2008	6.83
6/3/2008	7.38
07/09/08	7.63
7/9/2008	7.6
8/5/2008	7.55
09/03/08	8.03

Jan.	Feb	Mar	Apr	May	June	July	Aug
pH	pH	pH	pH	pH	pH	pH	pH
7.15	7.42	6.73	6.58	6.68	7.13	7.06	7.4
6.83	6.74	6.8	7.3	6.83	7.6	7.62	7.55
6.87	7.7	7.43	6.85	7.57	7.38	7.71	7.46
		7.95	7.83	7.15	7.48	7.61	7.18
		6.82	8.11	6.67	7.51	6.75	7.59
		6.79		7.1	7.39	6.92	7.7
		7.18		7.71	6.96	7.93	7.20
					7.28	7.42	

2007	2008	2009	2010	2011
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All red font are averages of same day samples

9/3/2008	8.03
10/6/2008	7.78
11/07/08	6.18
11/7/2008	6.12
12/3/2008	7.47
3/4/2009	7.45
3/4/2009	7.45
4/6/2009	7.3
5/13/2009	7.87
5/13/2009	7.26
05/19/09	7.15
6/2/2009	7.48
06/16/09	7.51
7/8/2009	7.46
7/8/2009	7.96
07/14/09	7.61
8/12/2009	7.46
08/18/09	7.18
9/16/2009	8.32
9/16/2009	7.85
09/22/09	7.21
10/5/2009	7.03
11/4/2009	7.23
11/5/2009	7.21
11/17/09	6.52
12/1/2009	7.25
02/17/10	6.74
3/2/2010	7.95
03/17/10	6.82
4/13/2010	6.85
4/16/2010	7.83
5/5/2010	6.9
5/5/2010	6.43
06/02/10	6.98
6/2/2010	7.8
7/8/2010	6.75
7/8/2010	6.75
07/13/10	6.92
8/10/2010	7.59
9/9/2010	7.09
9/9/2010	7.09
09/14/10	7.52
10/4/2010	6.67
11/02/10	7.26
11/2/2010	7.26
11/3/2010	7.4
12/7/2010	8.14

1/5/2011	6.87
1/5/2011	6.87
2/11/2011	7.7
3/9/2011	6.79
3/9/2011	6.79
03/15/11	7.18
4/6/2011	8.11
5/4/2011	7.1
5/8/2011	7.71
6/3/2011	6.96
06/14/11	7.28
7/5/2011	7.93
07/19/11	7.42
8/1/2011	7.7
08/16/11	7.20
9/7/2011	7.96
9/7/2011	7.22
09/13/11	7.39
10/7/2011	7.48
10/18/11	6.87
11/2/2011	6.91
11/2/2011	7
12/7/2011	8.14
1/5/2012	7.85
2/9/2012	6.05
3/7/2012	7.39
4/3/2012	7.45
5/2/2012	7.8
5/15/2012	7.37
6/2/2012	7.97
8/6/2012	7.77
9/4/2012	8.09
10/1/2012	7.42
10/1/2012	7.67
10/2/2012	7.24
10/3/2012	8.05
10/3/2012	5.79
10/4/2012	5.54
11/7/2012	6.05
12/10/2012	6.39
1/7/2013	5.7
3/11/2013	5.81
4/10/2013	5.18
5/7/2013	7.64
5/14/2013	7.39
6/5/2013	7.73

Jan. pH	Feb pH	Mar pH	Apr pH	May pH	June pH	July pH	Aug pH
7.85	6.05	7.39	7.45	7.8	7.97	7.85	7.77
5.7	6.18	5.81	5.18	7.37	7.73	8.12	7.98
6.2		6.13	7.42	7.64	7.52		7.79
		7.44	7.41	7.39			
		7.5	7.47	7.53			
		7.46	7.47	7.09			
		7.54	7.38				
			7.38				
			7.55				
			7.56				

2012 2013 2014

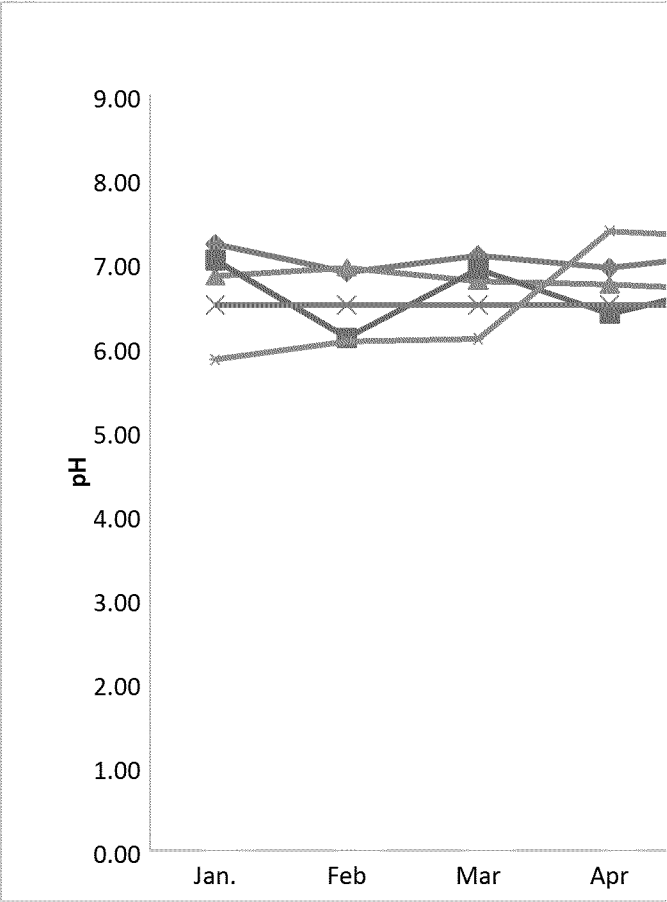
All red font are averages of same day samples

7/7/2013	7.85
8/4/2013	7.98
9/10/2013	7.6
10/2/2013	7.83
11/8/2013	7.97
12/13/2013	7.56
1/8/2014	6.2
2/7/2014	6.18
3/5/2014	6.13
3/21/2014	7.44
3/22/2014	7.5
3/25/2014	7.46
3/26/2014	7.54
4/4/2014	7.42
4/5/2014	7.41
4/9/2014	7.47
4/10/2014	7.68
4/10/2014	7.53
4/16/2014	
4/17/2014	7.38
4/18/2014	7.38
4/25/2014	7.55
4/26/2014	7.56
5/1/2014	7.53
5/5/2014	7.09
5/13/2014	
5/21/2014	
5/28/2014	
6/6/2014	7.52
6/6/2014	
6/13/2014	
6/23/2014	
7/1/2014	8.12
7/2/2014	
7/12/2014	
7/20/2014	
7/25/2014	
8/1/2014	7.79
9/5/2014	7.72
9/24/2014	7.71
10/2/2014	7.61
11/7/2014	7.64
12/5/2014	7.04

Sept	Oct	Nov	Dec
pH	pH	pH	pH
7.91	6.97	7.46	7.90
7.80	6.5	7.38	7.21
7.66	7.67	6.87	7.13
7.53	7.9	7.51	7.22
7.77	7.31	7.19	7.49
7.61			
7.41			
8.2			
7.68			
7.55			
7.34			

	Jan.	Feb	Mar	Apr
Ave. pH 1991-mid 1996	7.30	7.12	7.25	7.25
15th pH 1991-mid 1996	7.22	6.89	7.09	6.94
Table Value Std	6.50	6.50	6.50	6.50

1996











Sept	Oct	Nov	Dec
pH	pH	pH	pH
6.89	7.65	7.21	6.63
7.60	6.87	6.73	6.05
5.83	7.23	7.11	6.51
7.27	6.69	8.14	6.4
7.11	7.14	6.7	
7.23		7.28	
6.64			
7.7			

Ave. pH 1998-2001  
 15th pH 1998-2001  
 Table Value Std

Jan.	Feb	Mar	Apr
7.15	6.72	7.06	6.83
7.03	6.11	6.93	6.40
6.50	6.50	6.50	6.50







Sept pH	Oct pH	Nov pH	Dec pH
6.84	7.11	7.03	5.91
8.03	7.78	6.15	7.47
8.09	7.03	7.23	7.25
7.21	6.67	7.21	8.14
7.09	7.48	6.52	8.14
7.52	6.87	7.26	
7.59		7.4	
7.39		6.90	

Ave. pH 2007-2011  
 15th pH 2007-2011  
 Table Value Std

Jan.	Feb	Mar	Apr
6.95	7.29	7.10	7.33
6.84	6.94	6.78	6.74
6.50	6.50	6.50	6.50



Sept	Oct	Nov	Dec
pH	pH	pH	pH
8.09	7.545	6.05	6.39
7.6	7.24	7.97	7.56
7.72	8.05	7.64	7.04
7.71	6.92		
	7.83		
	7.61		

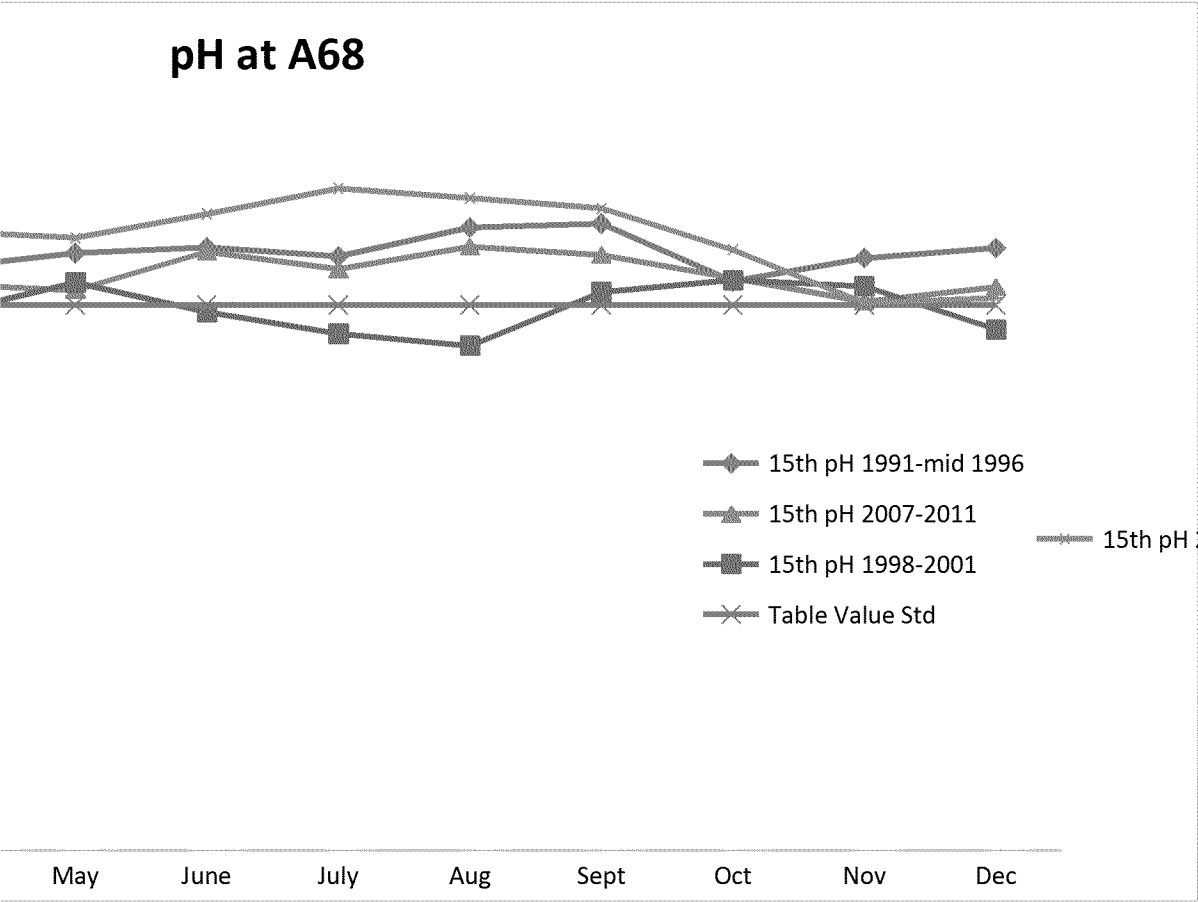
Ave. pH 2012-2014  
 15th pH 2012-2014  
 Table Value Std

Jan.	Feb	Mar	Apr
6.58	6.12	7.04	7.24
5.85	6.07	6.10	7.38
6.50	6.50	6.50	6.50





May	June	July	Aug	Sept	Oct	Nov	Dec
7.24	7.40	7.42	7.55	7.68	7.27	7.28	7.39
7.12	7.19	7.08	7.43	7.47	6.78	7.06	7.18
6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50









May	June	July	Aug	Sept	Oct	Nov	Dec
6.88	6.66	6.78	6.74	7.03	7.12	7.20	6.40
6.77	6.41	6.16	6.02	6.65	6.80	6.72	6.21
6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50









May	June	July	Aug	Sept	Oct	Nov	Dec
7.10	7.34	7.38	7.44	7.47	7.16	6.97	7.38
6.68	7.14	6.93	7.20	7.10	6.82	6.54	6.71
6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50



May	June	July	Aug	Sept	Oct	Nov	Dec
7.47	7.74	7.99	7.85	7.78	7.53	7.22	7.00
7.30	7.58	7.89	7.78	7.65	7.16	6.53	6.59
6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50



00060, Discharge, cubic feet per second,							
YEAR	Monthly mean in ft <sup>3</sup> /s (Calculation Period: 1991-10-01 -> 2014-10-31)						
	Period-of-record for statistical calculation restricted by user						
	Jan	Feb	Mar	Apr	May	Jun	Jul
1991							
1992	13.8	15.7	18.6	66.4	304.2	403	195.9
1993	16.3	16.5	21.6	39.6	383.1	618	328.4
1994							
1995	33.8	36.1	43.3	50	146.8	783.2	734.5
1996	30.1	31.8	30.3	69.4	453.6	428.3	122.3
1997	30.7	30.1	42.5	67.9	310	794	385.1
1998	33.7	25.9	29.9	43.4	250	443	272.6
1999	24.8	23.9	27.7	53.9	233.9	694.7	362.9
2000	22.3	17.1	20.3	92.9	412.5	348	76.9
2001	29.5	21.5	24.9	83.6	406	483.4	169.9
2002	20.4	18.6	23.9	77.1	178.9	128.1	30.5
2003	19.6	17.2	19.3	57	351.1	354.6	89.1
2004	14.4	16.1	44	72.7	351	428.4	142.1
2005	31.7	30.7	35.5	80.4	430.7	538.2	262.7
2006	30.9	30.5	43.1	101.2	398.8	384.4	135.8
2007	24.7	21.9	52.3	78.4	357.2	545.3	178.3
2008	33.6	33.2	32.7	69.8	274.4	716.9	355
2009	27.4	21.1	41.9	121.4	624.6	394.2	157.8
2010	30.1	28.1	32.4	91.9	370.2	453.4	94.2
2011	25.8	21.6	21.4	53	155.5	715.5	364.8
2012	25	25.1	40.7	140.1	290.1	185.6	62.7
2013	13.4	13.8	16.1	44.1	330.3	206.3	66.5
2014	26.1	23.2	26.4	92.1	318.9	666.4	229.8
Mean of monthly Discharge	25	24	31	75	333	487	219

<b>Ave 2012-2014</b>	22	21	28	92	313	353	120
<b>Ave 2007-2011</b>	28	25	36	83	356	565	230
<b>Ave 1991 - mid 1996</b>	24	25	28	56	322	558	420
<b>Ave 1998 - 2001</b>	28	22	26	68	326	492	221

er second,					
n Period: 1991-10-01 -> 2014-10-31)					
l calculation restricted by user					
	Aug	Sep	Oct	Nov	Dec
			33.4	27	18.9
	84.5	55.8	33.4	27	19.3
	125.5	89.8			
			73.8	44.8	35.7
	252.8	87.4	51.7	35.1	27.5
	44.4	53	83.5	45.4	35.6
	182.3	126.5	136.4	64.9	41.4
	80.4	58.8	61.3	49.1	34.2
	222.7	131.1	48.9	22.7	28.6
	65.3	77	61.3	40.6	31.6
	94.1	42.2	30.4	21.2	20.4
	28	54.1	55	32.4	22.2
	58.5	100.9	41.9	25.2	17.3
	46.5	94.9	67.5	37.5	32.9
	92.1	47	111.4	41.6	30.2
	113.5	80.6	189.6	53	31.8
	128.8	99.8	97	41.4	32.7
	100.7	54	32.7	24.2	21.5
	47.5	40.8	31.8	25.2	26.4
	98.1	48.4	43.4	36.8	26.4
	93.2	51.9	46.8	31.3	25
	43.5	31	23.2	18.4	15.8
	104.1	151.9	94	51.4	32.2
	89.7	98.1	119.5		
	100	76	68	36	28

79	94	79	35	24
94	59	50	32	26
154	78	48	33	25
116	77	50	33	29

DATE	ZN_DIS ug/l
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09/05/91	290.00
09/06/91	350.00
09/07/91	450.00
09/09/91	290.00
09/10/91	370.00
12/08/91	540.00
01/15/92	519.00
02/13/92	461.00
03/05/92	453.00
03/16/92	480.00
04/13/92	557.00
04/20/92	548.00
04/30/92	444.00
05/05/92	450.00
05/11/92	479.00
05/18/92	350.00
05/26/92	324.00
06/01/92	406.00
06/08/92	320.00
06/15/92	322.00
06/22/92	287.00
06/23/92	360.00
06/24/92	300.00
06/25/92	310.00
07/14/92	250.00
07/21/92	277.00
07/27/92	352.00
08/10/92	363.00
08/24/92	632.00
9/15/1992	
09/16/92	324.00
10/14/92	336.00
10/14/92	370.00
10/15/92	420.00
11/18/92	356.00
12/16/92	495.00
01/13/93	556.00
02/17/93	489.00
03/10/93	490.00
03/31/93	1785.00
04/14/93	1790.00

A-68 Dissolved Zn (ug/l)						
Jan.	Feb	Mar	Apr	May	June	July
Zn	Zn	Zn	Zn	Zn	Zn	Zn
519	461	453	557	450	406	250
556	489	480	548	479	320	277
591	849	490	444	350	322	352
689	563	1785	1790	324	287	325
		783	1785	1458	360	300
		1036	1474	912	300	332
		1086	865	323	310	312
		799	645	871	510	616
		847	897	523	721	349
			1026	505	374	351
			1029	1072	405	475
			1100	114	435	225
			832	778	351	339
				852	361	
				530	813	
				420	526	
				341	388	
				350	443	
				470	380	
					319	
					289	
					280	
					244	
					262	

COLOR CODE:

1991	1992	1993	1994
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All red font are averages of same day samples

04/21/93	1785.00
04/29/93	1474.00
05/04/93	1458.00
05/12/93	912.00
05/26/93	323.00
06/02/93	510.00
06/09/93	721.00
06/16/93	374.00
06/23/93	405.00
07/14/93	325.00
07/20/93	300.00
07/21/93	323.00
07/21/93	340.00
07/28/93	312.00
08/11/93	97.00
08/25/93	363.00
09/15/93	325.00
10/13/93	384.00
11/17/93	487.00
12/15/93	570.00
01/12/94	591.00
03/16/94	<b>47.00</b>
03/30/94	783.00
4/13/1994	865.00
04/20/94	645.00
04/27/94	897.00
05/03/94	<b>40.00</b>
05/11/94	871.00
05/18/94	523.00
5/24/1994	505
06/01/94	435.00
06/08/94	351.00
06/15/94	361.00
06/22/94	813.00
07/13/94	616.00
07/20/94	349.00
07/27/94	351.00
08/10/94	494.00
08/24/94	412.00
09/15/94	305.00
10/13/94	354.00
11/09/94	415.00
11/09/94	418.00
12/13/94	665.00
01/18/95	689.00
02/15/95	849.00
03/01/95	1036.00



3/15/1995	1086
4/6/1995	1026.00
4/12/1995	968.00
04/12/95	1090.00
4/19/1995	
05/03/95	1072.00
5/10/1995	114
5/22/1995	778
05/31/95	852.00
06/07/95	526.00
06/14/95	388.00
06/21/95	416.00
06/21/95	470.00
06/28/95	380.00
07/05/95	475.00
7/12/1995	225
07/19/95	339.00
08/02/95	338.00
08/16/95	307.00
09/06/95	320.00
9/13/1995	
10/11/95	377.00
11/15/1995	474
11/29/95	300.00
12/13/1995	515
02/14/96	563.00
03/13/96	799.00
03/20/96	847.00
4/3/1996	-9.00
04/09/96	1100.00
04/10/96	832.00
04/17/96	-9.00
05/01/96	530.00
05/08/96	420.00
05/15/96	341.00
05/21/96	350.00
05/29/96	470.00
06/05/96	319.00
06/12/96	289.00
06/18/96	280.00
06/19/96	244.00
06/26/96	262.00
07/03/96	-9.00
07/10/96	263.00
07/16/96	300.00
07/17/96	291.00
08/07/96	392.00

8/14/1996430.00  
8/14/1996410.00  
08/21/96437.00  
09/18/96371.00  
10/01/96422.70  
10/16/96285.00  
10/18/1996490.00  
10/23/1996494.00  
11/7/1996600.00  
11/13/1996477.00  
11/19/96573.65  
12/13/1996950.00  
1/7/19971000.00  
01/08/97736.76  
01/30/97938.30  
2/5/1997790.00  
02/25/97860.34  
3/5/19971300.00  
03/12/97954.00  
03/19/971179.00  
03/25/971239.50  
04/02/971192.00  
4/11/19971440.00  
04/16/971035.00  
4/16/1997956.00  
04/29/97882.15  
04/30/97852.00  
05/07/97680.00  
05/14/97596.52  
05/21/97481.00  
05/21/97392.61  
05/28/97511.00  
05/29/97482.42  
06/04/97454.00  
06/05/97266.17  
6/10/1997450.00  
6/11/1997445.00  
06/11/97418.63  
06/16/97385.33  
6/18/1997351.00  
6/25/1997349.00  
06/26/97317.91  
07/01/97243.61  
7/2/1997-9.00  
07/09/97330.00  
07/15/97264.47  
7/16/1997340.00

07/30/97 255.32  
 08/12/97 352.88  
 8/13/1997 342.00  
 8/13/1997 110.00  
 09/11/97 420.00  
 9/11/1997 404.00  
 9/17/1997 306.00  
 09/25/97 309.27  
 10/8/1997 460.00  
 10/15/1997 318.00  
 10/22/97 377.53  
 11/12/97 570.00  
 11/12/1997 458.00  
 11/25/97 498.57  
 12/3/1997 617.00  
 12/17/1997 669.00  
 12/23/97 610.89

01/07/98 810.00  
 2/4/1998 610.00  
 02/12/98 600.08  
 3/4/1998 651.00  
 03/05/98 700.00  
 03/16/98 837.23  
 3/18/1998 781.00  
 4/1/1998 925.00  
 04/08/98 1510.00  
 4/15/1998 1457.00  
 04/23/98 1181.10  
 4/29/1998 1194.00  
 5/5/1998 637.00  
 05/06/98 742.03  
 05/07/98 840.00  
 5/13/1998 523.00  
 5/20/1998 444.00  
 5/27/1998 353.00  
 05/29/98 288.79  
 06/02/98 282.70  
 6/3/1998 241.00  
 06/09/98 297.17  
 6/10/1998 241  
 06/10/98 320.00  
 6/17/1998 245.00  
 6/17/1998  
 6/24/1998 256.00  
 06/24/98 245.43  
 07/01/98 280.00  
 07/09/98 227.25

Jan. Zn	Feb Zn	Mar Zn	Apr Zn	May Zn	June Zn	July Zn
810	610	651	925	637	283	280
860	600	700	1510	742	241	227
700	810	837	1457	840	297	295
780	640	781	1181	523	281	262
	732	1000	1194	444	245	288
	787	798	635	353	251	340
	615	710	790	289	270	250
	680	721	485	1900	225	
		780	899	440	320	
			1060	630	310	
			1070			

**COLOR CODE:**

1998 1999 2000 2001

All red font are averages of same day samples

7/15/1998	295.00
7/22/1998	298.00
07/22/98	226.21
08/05/98	310.00
8/26/1998	342.00
9/2/1998	335.00
09/09/98	420.00
9/16/1998	298.00
09/30/98	350.99
10/07/98	460.00
11/03/98	660.00
11/18/1998	594.00
12/02/98	765.00
01/06/99	860.00
01/06/99	860.00
02/04/99	810.00
02/17/99	640.18
2/24/1999	732.00
03/03/99	1000.00
3/17/1999	798.00
4/1/1999	635.00
04/07/99	790.00
4/26/1999	485.00
04/29/99	898.94
05/06/99	1900.00
06/09/99	270.00
6/23/1999	224.70
07/07/99	288.00
8/4/99	290.00
8/4/1999	290.00
08/19/99	296.18
9/1/99	310.00
9/16/1999	406.30
10/06/99	506.00
10/14/1999	260.40
11/3/99	720.00
11/17/1999	564.00
12/01/99	697.00
1/5/00	700.00
02/02/00	787.00
2/28/2000	615.40
3/1/00	710.00
3/15/2000	721.10
04/05/00	1060.00
5/3/00	440.00
06/07/00	320.00
7/5/00	340.00

08/02/00	420.00
9/6/00	520.00
10/04/00	510.00
11/1/00	510.00
12/06/00	648.00
1/3/01	780.00
02/07/01	680.00
3/14/01	780.00
04/04/01	1070.00
5/2/01	1630.00
06/06/01	310.00
7/6/01	250.00
08/01/01	346.00
9/5/01	490.00
10/03/01	506.00
11/7/01	610.00
12/05/01	750.00

1/2/02	890.00
3/6/02	600.00
04/03/02	510.00
05/01/02	422.00
6/5/02	255.00
6/27/2002	278.90
7/3/02	340.00
7/17/2002	314.60
08/07/02	496.00
8/14/2002	413.40
9/4/02	558.00
9/18/2002	416.60
10/02/02	648.00
10/25/2002	615.80
11/6/02	641.00
11/12/2002	593.90
12/04/02	877.00
12/8/2002	778.10
1/8/2003	831.70
1/9/2003	718.00
2/1/2003	672.00
02/05/03	850.00
3/9/2003	708.80
4/24/2003	657.30
5/7/2003	518.50
5/7/2003	552.50
6/2/2003	0
7/2/2003	289.90
7/2/2003	318.10
8/14/2003	319.50

9/11/2003 545.60  
 9/11/03 -9.00  
 10/4/2003 375.60  
 11/6/03 701.00  
 12/29/2003 674.70  
 3/3/2004 639.90  
 3/3/04 701.00  
 4/16/2004 1074.00  
 5/5/2004 572.80  
 5/5/04 580.00  
 5/28/2004 209.60  
 6/17/2004 353.60  

7/7/2004	331.9
7/7/04	295.00
8/19/2004	431.90
9/1/04	512.00
9/15/2004	510.7

 10/14/2004 331.90  
 11/10/04 645.30  
 11/10/04 588.00  
 12/08/04 675.50  
 01/20/05 679.29  
 02/15/05 944.98  
 03/02/2005 1120  
 03/13/05 1056.70  
 04/09/05 1043.59  
 05/04/05 1007.38  
 05/04/2005 1030  
 6/9/2005 380  
 7/6/2005 285.8  
 07/06/2005 312  
 8/10/05 265.1  
 9/14/05 446.4  

9/14/05	453.6
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 9/15/2005 428  
 10/13/05 416.8  
 11/2/05 499.6  
 11/2/2005 552  
 12/20/05 658.1  
 1/6/06 734.5  
 01/06/2006 772  
 2/8/06 1015.2  

3/7/06	1015.2
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 3/15/06 893.4  
 03/15/2006 955  

4/5/06	893.4
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 4/5/06 1171.5



5/10/06	490.2
05/10/2006	495
05/16/2006	301
<b>6/6/06</b>	<b>1171.5</b>
6/6/06	292.2
7/12/06	326
07/12/2006	336
<b>8/2/06</b>	<b>292.2</b>
8/2/06	360.1
<b>9/6/06</b>	<b>326</b>
9/6/06	390.5
09/06/2006	455
10/11/06	376.6
11/1/06	529.6
11/01/2006	576
12/5/06	634.7
1/11/07	668.2
2/6/07	670.9
3/7/07	707.6
03/07/2007	762
4/2/07	665.8
<b>4/2/2007</b>	<b>665.8</b>
05/11/2007	355
5/11/2007	357.3
6/5/2007	254.8
6/14/07	254
07/11/2007	284
7/11/2007	249.7
8/6/2007	218.9
09/05/2007	350
9/5/2007	309.5
10/25/2007	396.1
<b>10/25/2007</b>	<b>396.1</b>
11/07/2007	498
12/5/2007	601.6
01/02/08	680.00
1/2/2008	819.6
03/12/08	1250.00
4/10/2008	1622.2
05/07/08	585.00
5/7/2008	487.6
6/3/2008	220.7
07/09/08	282.00
7/9/2008	261.8
8/5/2008	249
09/03/08	408
9/3/2008	354.9

#### A-68 Monthly Dissolved Zn Averages

Jan.	Feb	Mar	Apr	May	June	July
Zn	Zn	Zn	Zn	Zn	Zn	Zn
668	671	735	666	356	255	267
750	702	1250	1622	536	254	272
512	689	839	616	232	221	261
		530	985	295	317	268
		610	934	443	270	274
		758	950	916	275	261
		874		545	290	211
					274	237

#### COLOR CODE:

2007	2008	2009	2010
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All red font are averages of same day samples

10/6/2008	403.9
11/07/08	731.00
11/7/2008	656.8
12/3/2008	545.8
3/4/2009	894
3/4/2009	784.5
4/6/2009	615.5
5/13/2009	219
5/13/2009	244.9
05/19/09	295
6/2/2009	317.4
06/16/09	270
7/8/2009	247.8
7/8/2009	274
07/14/09	268
8/12/2009	276.4
08/18/09	332
9/16/2009	427
9/16/2009	367.2
09/22/09	407
10/5/2009	417.6
11/4/2009	470
11/5/2009	0
11/17/09	567
12/1/2009	488.5
02/17/10	702
3/2/2010	530.4
03/17/10	610
4/13/2010	985
4/16/2010	933.7
5/5/2010	444.00
5/5/2010	441.5
06/02/10	286
6/2/2010	263.7
7/8/2010	283
7/8/2010	265.3
07/13/10	261
8/10/2010	303.7
9/9/2010	344
9/9/2010	318.5
09/14/10	410
10/4/2010	337.1
11/02/10	436
11/3/2010	348
11/3/2010	354.8
12/7/2010	386.8
1/5/2011	494.3



1/5/2011	530
2/11/2011	689.4
3/9/2011	716.9
3/9/2011	799
03/15/11	874
4/6/2011	949.6
5/4/2011	916
5/8/2011	544.5
6/3/2011	290.4
06/14/11	274
7/5/2011	211
07/19/11	237
8/1/2011	221.1
08/16/11	282
9/7/2011	236
9/7/2011	311
09/13/11	311
10/7/2011	386.4
10/18/11	393
11/2/2011	340
11/2/2011	421
12/7/2011	411
1/5/2012	460
2/9/2012	469
3/7/2012	510
4/3/2012	377
5/2/2012	267
5/15/2012	281
6/2/2012	223
8/6/2012	272
9/4/2012	267
10/1/2012	300
10/1/2012	293
10/2/2012	396
10/3/2012	338
10/3/2012	424
10/4/2012	405
11/7/2012	378
12/10/2012	586
1/7/2013	511
3/11/2013	534
4/10/2013	802
5/7/2013	394
5/14/2013	347
6/5/2013	270
7/7/2013	176

**A-68 Monthly Dissolved Zn Averages**

Jan. Zn	Feb Zn	Mar Zn	Apr Zn	May Zn	June Zn	July Zn
460	469	510	377	267	223	176
511	535	534	802	281	270	239
537		641	1086	394	280	245
		1019	1179	347	270	244
		1062	1059	633	302	253
		1180	710	446		204
		1126	1030	583		
			834	373		
			705	264		
			471			
			491			

**COLOR CODE:**

2012

2013

2014

All red font are averages of same day samples

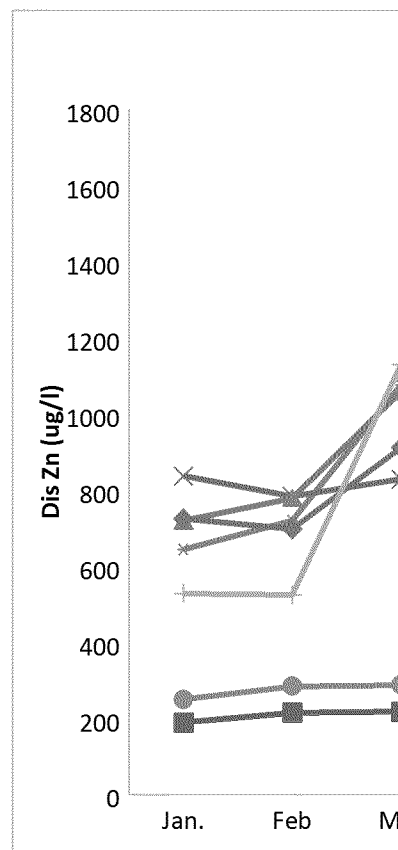
8/4/2013	351
9/10/2013	344
10/2/2013	389
11/8/2013	414
12/13/2013	628
1/8/2014	537
2/7/2014	535
3/5/2014	641
3/21/2014	1019
3/22/2014	1062
3/25/2014	1180
3/26/2014	1126
4/4/2014	1086
4/5/2014	1179
4/9/2014	1059
4/10/2014	973
4/10/2014	923
4/16/2014	1030
4/17/2014	834
4/18/2014	705
4/25/2014	471
4/26/2014	491
5/1/2014	633
5/5/2014	446
5/13/2014	583
5/21/2014	373
5/28/2014	264
6/6/2014	264
6/6/2014	257
6/13/2014	270
6/23/2014	302
7/1/2014	239
7/2/2014	245
7/12/2014	244
7/20/2014	253
7/25/2014	204
8/1/2014	229
9/5/2014	270
9/24/2014	270
10/2/2014	334
11/7/2014	349
12/5/2014	417

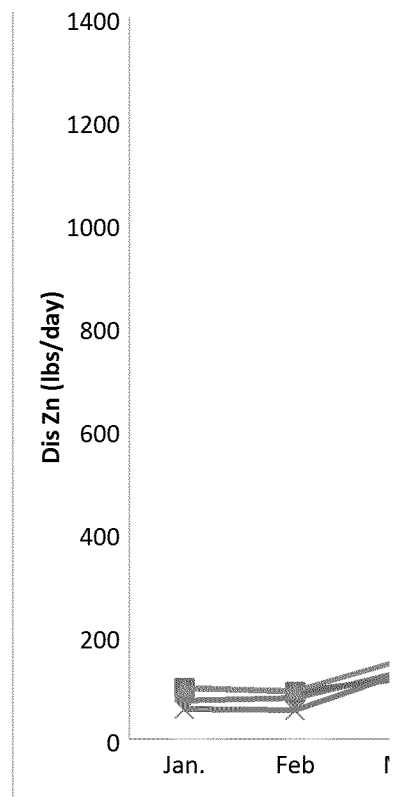
ved Zn (ug/l)

	Aug	Sept	Oct	Nov	Dec
Zn	Zn	Zn	Zn	Zn	Zn
363	290	353	356	540	
632	350	420	487	495	
97	450	384	417	570	
363	290	354	474	665	
494	370	377	300	515	
412	324				
338	325				
307	305				
	320				

	Jan.
Ave. dZn 1991-mid 1996	589
85th dZn 1991-mid 1996	645
Ave. Hardness 1991 - mid 1996	79
Table Value Std 1991-mid 1996	97
Actual Std	720
Ave. monthly flows 1991-mid 1996 (cfs)	24
dZn Load 1991-mid 1996 lbs/day	75
Ratio of 85th dZn/TVS	6.63

1995	1996
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Aug Zn	Sept Zn	Oct Zn	Nov Zn	Dec Zn
310	335	460	660	765
342	420	506	594	697
290	298	260	720	648
296	351	510	564	750
420	310	506	510	
348	406			
	520			

	Jan.
Ave. dZn 1998-2001	788
85th dZn 1998-2001	838
Ave. Hardness 1998-2001	181
Table Value Std 1998-2001	208
Actual Std	720
Ave. monthly flows 1998-2001 (cfs)	24
dZn Load 1998-2001 lbs/day	100
Ratio of 85th dZn/TVS	4.04









# Solved Zn Averages

Aug	Sept	Oct	Nov	Dec
Zn	Zn	Zn	Zn	Zn
219	330	396	498	602
249	381	404	694	546
276	397	418	470	489
332	407	337	567	387
304	331	386	436	411
221	410	393	351	
282	274		381	
	311			

2011

	Jan.
Ave. dZn 2007-2011	643
85th dZn 2007-2011	725
Ave. Hardness 2007-2011	164
Table Value Std 2007-2011	190
Actual Std	720
Acute TVS 2007-2011	251
Ave. monthly flows 2007-2011 (cfs)	28
dZn Load 2007-2011 lbs/day	98
Ratio of 85th dZn/TVS	3.82



**Solved Zn Averages**

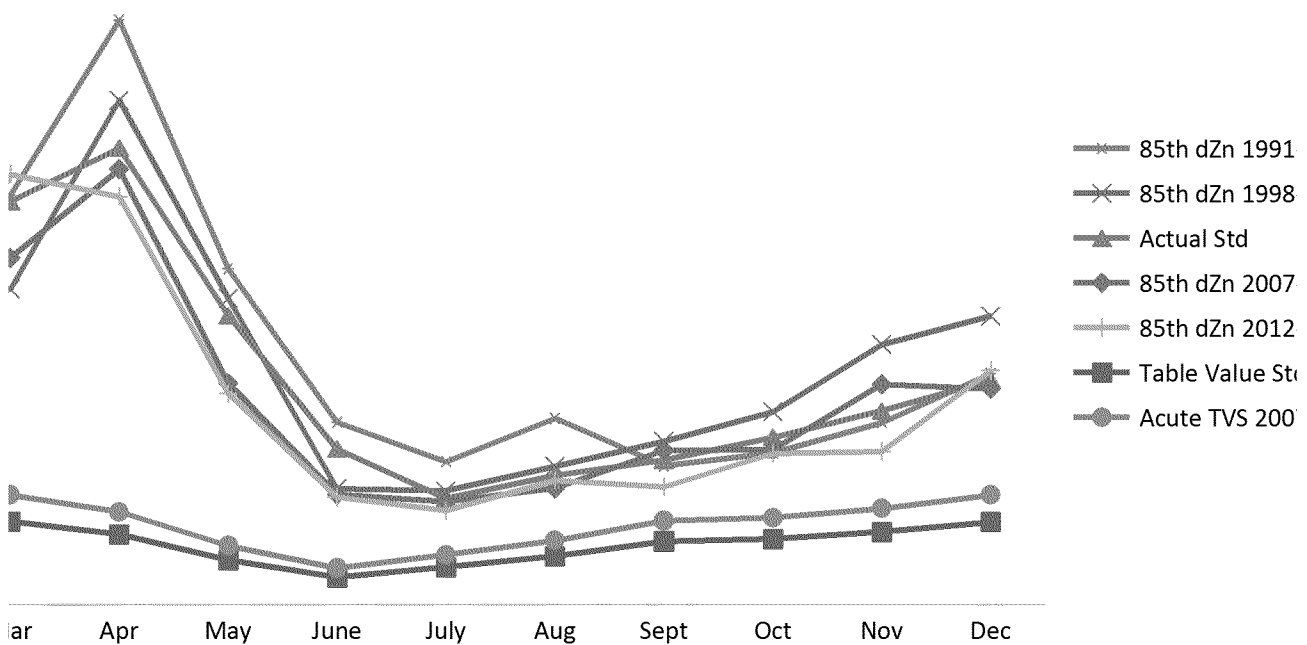
Aug Zn	Sept Zn	Oct Zn	Nov Zn	Dec Zn
272	267	297	378	586
351	344	396	414	628
229	270	381	349	417
	270	405		
		389		
		334		

	Jan.
Ave. dZn 2012-2014	503
85th dZn 2012-2014	529
Ave. Hardness 2012-2014	215
Table Value Std 2012-2014	243
Actual Std	720
Acute TVS 2012-2014	321
 Ave. monthly flows 2012-2014 (cfs)	 22
 dZn Load 2012-2014 lbs/day	 58
 Ratio of 85th dZn/TVS	 2.18

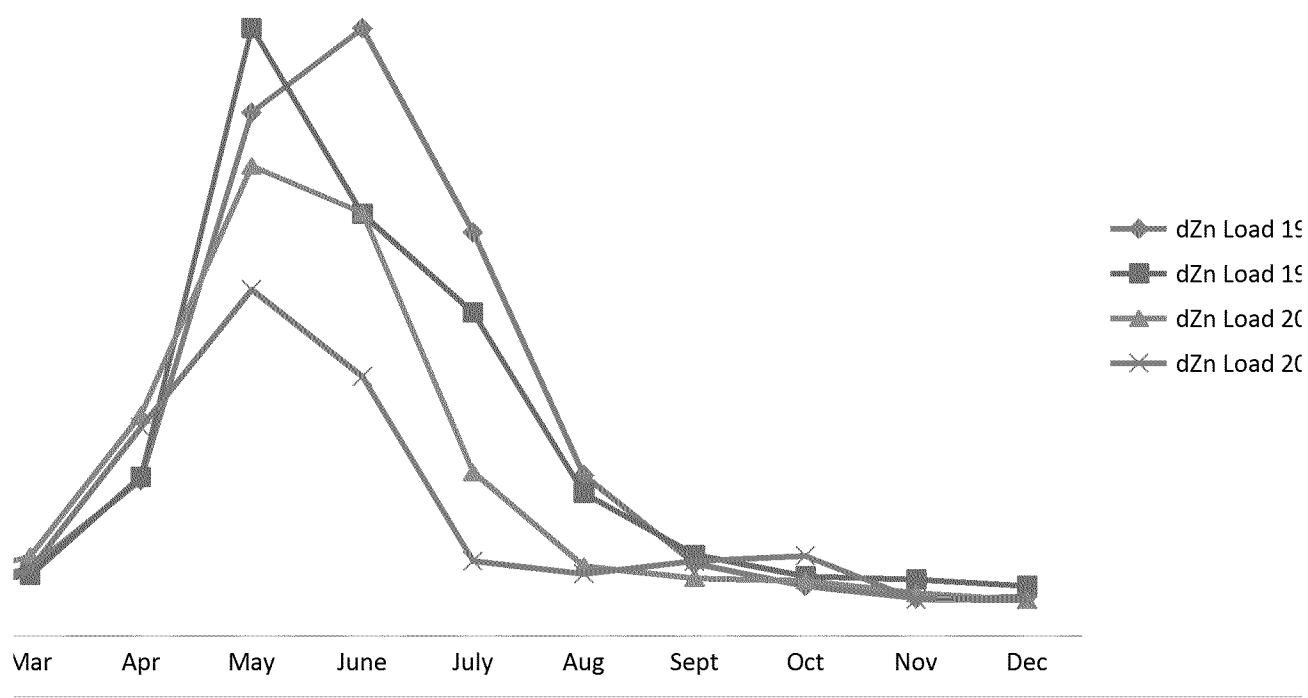


	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov
	591	862	999	585	392	346	376	336	378	407
	720	1076	1536	883	480	377	490	366	398	479
	141	178	89	76	65	87	111	107	146	121
	166	205	109	94	82	107	133	129	171	144
	780	1060	1200	760	410	280	340	380	440	510
	25	28	56	322	558	420	154	78	48	33
	80	132	304	1016	1179	784	313	141	98	73
	4.34	5.26	14.06	9.35	5.87	3.52	3.68	2.85	2.33	3.32

### Dis Zn Conc. at A68



### Dis Zn Load at A68









Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov
684	775	1019	680	272	277	334	377	448	610
784	829	1326	806	306	300	365	430	508	684
193	166	207	87	66	71	117	129	146	115
221	192	235	107	83	88	140	152	171	138
780	1060	1200	760	410	280	340	380	440	510
25	28	56	322	558	420	154	78	48	33
92	119	309	1180	819	628	278	158	116	110
3.55	4.32	5.64	7.56	3.70	3.39	2.60	2.82	2.96	4.96







Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov
687	799	962	475	270	256	269	355	389	485
698	912	1144	582	290	272	307	407	407	580
189	192	159	97	57	80	106	142	148	166
216	219	185	118	73	99	128	167	174	192
780	1060	1200	760	410	280	340	380	440	510
286	289	244	156	97	131	169	221	229	253
25	36	83	356	565	230	94	59	51	32
93	156	430	912	821	318	136	113	107	83
3.23	4.16	6.18	4.94	3.96	2.74	2.39	2.43	2.35	3.02





Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov
502	867	817	399	265	227	284	288	367	380
525	1131	1072	556	283	247	327	311	398	403
192	182	146	84	61	88	112	139	149	153
219	209	171	104	77	108	134	163	174	178
780	1060	1200	760	410	280	340	380	440	510
290	275	226	137	101	142	177	215	229	235
21	28	92	313	353	120	79	94	79	35
56	130	405	673	504	146	121	145	156	72
2.39	5.42	6.26	5.35	3.68	2.30	2.44	1.91	2.29	2.26



Dec

557

608

194

221

590

25

76

2.75

-mid 1996

-2001

-2011

-2014

d 2007-2011

7-2011

1991-mid 1996

1998-2001

2007-2011

2012-2014





Dec

715

758

204

231

590

25

98

3.28









Dec

487

568

191

218

590

288

27

70

2.60



Dec

544

616

206

234

590

309

24

70

2.63



DATE MN\_DIS

09/05/91	360.00
09/06/91	400.00
09/07/91	690.00
09/09/91	300.00
09/10/91	560.00
12/08/91	531.00
01/15/92	619.00
02/13/92	505.00
03/05/92	501.00
03/16/92	577.00
04/13/92	700.00
04/20/92	493.00
04/30/92	312.00
05/05/92	377.00
05/11/92	438.00
05/18/92	310.00
05/26/92	300.00
06/01/92	373.00
06/08/92	329.00
06/15/92	444.00
06/22/92	345.00
06/23/92	400.00
06/24/92	-9.00
06/25/92	-9.00
07/14/92	291.00
07/21/92	319.00
07/27/92	561.00
08/10/92	396.00
08/24/92	882.00
9/15/1992	
09/16/92	421.00
10/14/92	459.00
10/14/92	500.00
10/15/92	520.00
11/18/92	457.00
12/16/92	580.00
01/13/93	559.00
02/17/93	577.00
03/10/93	663.00
03/31/93	1465.00
04/14/93	2280.00

Jan. Mn	Feb Mn	Mar Mn	Apr Mn	May Mn	June Mn
619	505	501	700	377	373
559	577	577	493	438	329
1146	1170	663	312	310	444
1155	1310	1465	2280	300	345
		1710	2710	1775	400
		1770	1980	1217	374
		1850	959	254	563
		1701	1166	1243	273
		2062	2067	494	318
			1911	510	375
			2100	2200	362
			1599	290	307
				827	493
				1170	351
				710	508
				406	310
				265	325
				240	307
				445	320
					307
					308

COLOR CODE:

1991 1992 1993

All red font are same day sample averages

04/21/93	2710.00
04/29/93	1980.00
05/04/93	1775.00
05/12/93	1217.00
05/26/93	254.00
06/02/93	374.00
06/09/93	563.00
06/16/93	273.00
06/23/93	318.00
07/14/93	278.00
07/20/93	-9.00
07/21/93	318.00
07/21/93	-9.00
07/28/93	326.00
08/11/93	84.00
08/25/93	401.00
09/15/93	472.00
10/13/93	679.00
11/17/93	833.00
12/15/93	967.00
01/12/94	1146.00
03/16/94	0.00
03/30/94	1710.00
4/13/1994	0.00
04/20/94	959.00
04/27/94	1166.00
05/03/94	0.00
05/11/94	1243.00
05/18/94	494.00
5/24/1994	510
06/01/94	375.00
06/08/94	0.00
06/15/94	362.00
06/22/94	307.00
07/13/94	441.00
07/20/94	480.00
07/27/94	551.00
08/10/94	507.00
08/24/94	582.00
09/15/94	496.00
10/13/94	576.00
11/09/94	838.00
11/09/94	957.00
12/13/94	1081.00
01/18/95	1155.00
02/15/95	1170.00
03/01/95	1770.00



3/15/1995	1850
4/6/1995	2067.00
4/12/1995	1831.00
04/12/95	1990.00
4/19/1995	
05/03/95	2200.00
5/10/1995	290
5/22/1995	827
05/31/95	1170.00
06/07/95	493.00
06/14/95	351.00
06/21/95	321.00
06/21/95	694.00
06/28/95	310.00
07/05/95	397.00
7/12/1995	192
07/19/95	346.00
08/02/95	374.00
08/16/95	490.00
09/06/95	674.00
9/13/1995	
10/11/95	861.00
11/15/1995	1112
11/29/95	388.00
12/13/1995	1161
02/14/96	1310.00
03/13/96	1701.00
03/20/96	2062.00
4/3/1996	-9.00
04/09/96	2100.00
04/10/96	1599.00
04/17/96	-9.00
05/01/96	710.00
05/08/96	406.00
05/15/96	265.00
05/21/96	240.00
05/29/96	445.00
06/05/96	325.00
06/12/96	307.00
06/18/96	320.00
06/19/96	307.00
06/26/96	308.00
07/03/96	-9.00
07/10/96	440.00
07/16/96	470.00
07/17/96	427.00
08/07/96	629.00

8/14/1996	810.00
8/14/1996	720.00
08/21/96	753.00
09/18/96	684.00
10/01/96	678.00
10/16/96	431.00
10/18/1996	840.00
10/23/1996	922.00
11/7/1996	1180.00
11/13/1996	950.00
11/19/96	1206.45
12/13/1996	2050.00
1/7/1997	2500.00
01/08/97	1588.60
01/30/97	2834.15
2/5/1997	1750.00
02/25/97	1952.77
3/5/1997	3200.00
03/12/97	2168.00
03/19/97	3040.00
03/25/97	2387.35
04/02/97	2350.00
4/11/1997	3180.00
04/16/97	2380.00
4/16/1997	1901.00
04/29/97	1806.54
04/30/97	1826.00
05/07/97	1100.00
05/14/97	585.28
05/21/97	422.00
05/21/97	424.66
05/28/97	604.00
05/29/97	641.89
06/04/97	192.00
06/05/97	215.86
6/10/1997	510.00
6/11/1997	368.00
06/11/97	401.37
06/16/97	398.82
6/18/1997	261.00
6/25/1997	294.00
06/26/97	300.68
07/01/97	305.95
7/2/1997	-9.00
07/09/97	440.00
07/15/97	378.25
7/16/1997	386.00

07/30/97	493.43
08/12/97	722.75
8/13/1997	611.00
8/13/1997	1360.00
09/11/97	1100.00
9/11/1997	1132.00
9/17/1997	669.00
09/25/97	561.67
10/8/1997	1370.00
10/15/1997	584.00
10/22/97	777.73
11/12/97	1600.00
11/12/1997	1451.00
11/25/97	1456.11
12/3/1997	2070.00
12/17/1997	1894.00
12/23/97	2198.15

01/07/98	2300.00
2/4/1998	1960.00
02/12/98	1801.46
3/4/1998	2380.00
03/05/98	2400.00
03/16/98	2257.62
3/18/1998	1883.00
4/1/1998	2080.00
04/08/98	3900.00
4/15/1998	3480.00
04/23/98	3448.76
4/29/1998	2610.00
5/5/1998	1045.00
05/06/98	1265.05
05/07/98	1400.00
5/13/1998	814.00
5/20/1998	521.00
5/27/1998	385.00
05/29/98	322.23
06/02/98	272.29
6/3/1998	219.00
06/09/98	430.80
6/10/1998	219
06/10/98	590.00
6/17/1998	324.00
6/17/1998	
6/24/1998	450.00
06/24/98	339.27
07/01/98	390.00
07/09/98	421.27

Jan.	Feb	Mar	Apr	May	June
Mn	Mn	Mn	Mn	Mn	Mn
2300	1960	2380	2080	1045	272
3500	1801	2400	3900	1265	219
2900	4150	2258	3480	1400	431
4300	2380	1883	3449	814	405
	2600	3400	2610	521	324
	3500	3290	1783	385	395
	2584	3100	3020	322	470
	2630	2756	1119	4100	280
		3300	2884	680	530
			4290	750	530
			4330		

**COLOR CODE:** 1998 1999

All red font are same day sample averag

7/15/1998	560.00
7/22/1998	649.00
07/22/98	643.02
08/05/98	720.00
8/26/1998	849.00
9/2/1998	682.00
09/09/98	1200.00
9/16/1998	1010.00
09/30/98	1223.87
10/07/98	1550.00
11/03/98	2000.00
11/18/1998	1492.00
12/02/98	3460.00
01/06/99	3500.00
01/06/99	3500.00
02/04/99	4150.00
02/17/99	2379.54
2/24/1999	2600.00
03/03/99	3400.00
3/17/1999	3290.00
4/1/1999	1783.00
04/07/99	3020.00
4/26/1999	1119.00
04/29/99	2883.50
05/06/99	4100.00
06/09/99	470.00
6/23/1999	280.00
07/07/99	590.00
8/4/99	640.00
8/4/1999	640.00
08/19/99	864.98
9/1/1999	820.00
9/16/1999	1293.30
10/06/99	1620.00
10/14/1999	880.60
11/3/1999	2100.00
11/17/1999	2369.10
12/01/99	2790.00
1/5/00	2900.00
02/02/00	3500.00
2/28/2000	2583.60
3/1/00	3100.00
3/15/2000	2755.70
04/05/00	4290.00
5/3/00	680.00
06/07/00	530.00
7/5/00	890.00

08/02/00	1540.00
9/6/00	<5
10/04/00	1570.00
11/1/00	2000.00
12/06/00	2680.00
1/3/01	4300.00
02/07/01	2630.00
3/14/01	3300.00
04/04/01	4330.00
5/2/01	750.00
06/06/01	530.00
7/6/01	580.00
08/01/01	1110.00
9/5/01	1100.00
10/03/01	1710.00
11/7/01	1900.00
12/05/01	2850.00

1/2/02	3700.00
3/6/02	1900.00
04/03/02	1770.00
05/01/02	820.00
6/5/02	19.00
6/27/2002	807.10
7/3/02	950.00
7/17/2002	1043.70
08/07/02	1330.00
8/14/2002	1112.50
9/4/02	1460.00
9/18/2002	1237.70
10/02/02	1690.00
10/25/2002	1557.60
11/6/02	2010.00
11/12/2002	1741.20
12/04/02	2820.00
12/8/2002	2597.50
1/8/2003	2795.00
1/9/2003	2430.00
2/1/2003	2705.70
02/05/03	4370.00
3/9/2003	2656.90
4/24/2003	1966.80
5/7/2003	1118.70
5/7/2003	1163.50
6/2/2003	0
7/2/2003	600.60
7/2/2003	599.40
8/14/2003	989.70

9/11/2003	1640.20
9/11/03	
10/4/2003	1168.90
11/6/03	2570.00
12/29/2003	2357.30
3/3/2004	3019.70
3/3/04	2880.00
4/16/2004	3436.80
5/5/2004	1174.90
5/5/04	1020.00
5/28/2004	437.40
6/17/2004	520.40
7/7/2004	663.1
7/7/04	632.00
8/19/2004	1564.30
9/1/04	1710.00
9/15/2004	1432
10/14/2004	663.10
11/10/04	2308.20
11/10/04	1940.00
12/08/04	2655.40
01/20/05	3132.72
02/15/05	4469.78
03/02/2005	4540
03/13/05	5009.77
04/09/05	3896.78
05/04/05	3360.86
05/04/2005	3290
6/9/2005	562.6
7/6/2005	650.2
07/06/2005	710
8/10/05	1071.7
<b>9/14/05</b>	<b>1783.5</b>
9/14/05	1783.5
9/15/2005	1660
10/13/05	1442.6
11/2/05	1782.7
11/2/2005	1920
12/20/05	3366.2
1/6/06	3770.4
01/06/2006	3800
2/8/06	6093
<b>3/7/06</b>	<b>6093</b>
3/15/06	4695.1
03/15/2006	4200
<b>4/5/06</b>	<b>4695.1</b>
4/5/06	4517.6

5/10/06	1318.2
05/10/2006	1380
05/16/2006	323
<b>6/6/06</b>	<b>4517.6</b>
6/6/06	544.8
7/12/06	1012.4
07/12/2006	947
<b>8/2/06</b>	<b>544.8</b>
8/2/06	1089.2
<b>9/6/06</b>	<b>1012.4</b>
9/6/06	1372.6
09/06/2006	1270
10/11/06	990.5
11/1/06	1915.4
11/01/2006	2060
12/5/06	2421.1
1/11/07	3253.8
2/6/07	3178
3/7/07	3483.6
03/07/2007	3650
4/2/07	2784.7
<b>4/2/2007</b>	<b>2784.7</b>
05/11/2007	1040
5/11/2007	915.9
6/5/2007	326.8
6/14/07	518
07/11/2007	702
7/11/2007	683.6
8/6/2007	413.5
09/05/2007	1300
9/5/2007	1223.4
10/25/2007	1228.1
<b>10/25/2007</b>	<b>1228.1</b>
11/07/2007	1530
12/5/2007	2353.9
01/02/08	2840.00
1/2/2008	2960
03/12/08	3990.00
4/10/2008	6250
05/07/08	1510.00
5/7/2008	1267.7
6/3/2008	215.7
07/09/08	657.00
7/9/2008	572.5
8/5/2008	622.7
09/03/08	1470
9/3/2008	1270.2

Jan.	Feb	Mar	Apr	May	June
Mn	Mn	Mn	Mn	Mn	Mn
3254	3178	3567	2785	978	327
2900	3560	3990	6250	1389	518
2722	2600	3879	2450	317	216
		2764	3730	340	376
		2710	4321	1052	636
		3539	3651	3290	335
		3160		1969	484
					415

**COLOR CODE:**

2007	2008	2009
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All red font are averages of same day samples

10/6/2008	1452.2
11/07/08	2900.00
11/7/2008	2839.6
12/3/2008	2332.2
3/4/2009	3920
3/4/2009	3838
4/6/2009	2449.8
5/13/2009	311
5/13/2009	323.7
05/19/09	340
6/2/2009	375.5
06/16/09	636
7/8/2009	580.2
7/8/2009	609
07/14/09	668
8/12/2009	1049.8
08/18/09	1320
9/16/2009	1840
9/16/2009	1936.8
09/22/09	1540
10/5/2009	1977.7
11/4/2009	1880.00
11/5/2009	0
11/17/09	2380
12/1/2009	2238.8
02/17/10	3560
3/2/2010	2763.6
03/17/10	2710
4/13/2010	3730
4/16/2010	4320.8
5/5/2010	1040.00
5/5/2010	1063
6/2/2010	335
6/2/2010	334.9
7/8/2010	748.00
7/8/2010	731.6
7/13/2010	649
8/10/2010	1308.9
9/9/2010	1180.00
9/9/2010	1233.9
9/14/2010	1310
10/4/2010	1421.5
11/2/2010	1790
11/3/2010	1390.00
11/3/2010	1393.9
12/7/2010	1903.7
1/5/2011	2744.6



1/5/2011	2700.00
2/11/2011	2600.1
3/9/2011	3418.4
3/9/2011	3660
03/15/11	3160
4/6/2011	3650.9
5/4/2011	3290
5/8/2011	1968.6
6/3/2011	484
06/14/11	415
7/5/2011	432.6
07/19/11	537
8/1/2011	685.8
08/16/11	821
9/7/2011	841.6
9/7/2011	976
09/13/11	1140
10/7/2011	1468.9
10/18/11	1310
11/2/2011	1526.6
11/2/2011	1750
12/7/2011	1784
1/5/2012	2293
2/9/2012	2623
3/7/2012	2728
4/3/2012	788
5/2/2012	547
5/15/2012	699
6/2/2012	717
8/6/2012	991
9/4/2012	944
10/1/2012	1340
10/1/2012	1420
10/2/2012	1320
10/3/2012	1079
10/3/2012	1370
10/4/2012	1410
11/7/2012	1646
12/10/2012	2623
1/7/2013	2663
3/11/2013	2967
4/10/2013	3553
5/7/2013	951
5/14/2013	656
6/5/2013	503
7/7/2013	666

Jan.	Feb	Mar	Apr	May	June
Mn	Mn	Mn	Mn	Mn	Mn
2293	2623	2728	788	547	717
2663	2347	2967	3553	699	503
2234		3024	4863	951	377
		4601	4709	656	
		4491	4872	1732	
		5775	3540	1220	
		4898	3340		
			3339		
			2215		
			1034		
			941		

**COLOR CODE:**

2012	2013	2014
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All red font are averages of same day samples

8/4/2013	1135
9/10/2013	1423
10/2/2013	1177
11/8/2013	1214
12/13/2013	2399
1/8/2014	2234
2/7/2014	2347
3/5/2014	3024
3/21/2014	4601
3/22/2014	4491
3/25/2014	5775
3/26/2014	4898
4/4/2014	4863
4/5/2014	4709
4/9/2014	4872
4/10/2014	3409
4/10/2014	3671
4/16/2014	3340
4/17/2014	3339
4/18/2014	2215
4/25/2014	1034
4/26/2014	941
5/1/2014	1732
5/5/2014	1220
5/13/2014	
5/21/2014	
5/28/2014	
6/6/2014	377
6/6/2014	
6/13/2014	
6/23/2014	
7/1/2014	493
7/2/2014	
7/12/2014	
7/20/2014	
7/25/2014	
8/1/2014	881
9/5/2014	928
9/24/2014	826
10/2/2014	700
11/7/2014	1095
12/5/2014	1445









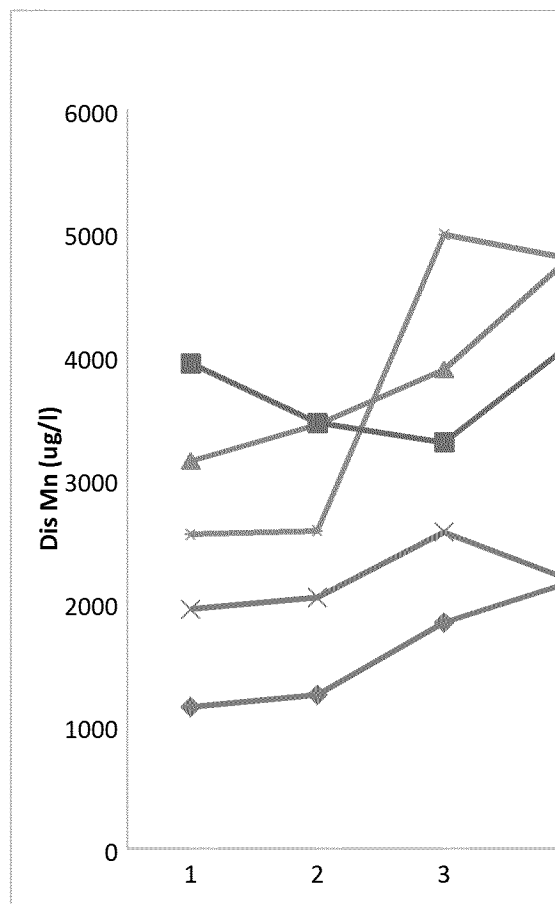


July Mn	Aug Mn	Sept Mn	Oct Mn	Nov Mn	Dec Mn
291	396	360	480	457	531
319	882	400	520	833	580
561	84	690	679	898	967
278	401	300	576	1112	1081
318	507	560	861	388	1161
326	582	421			
441	374	472			
480	490	496			
551		674			
397					
192					
346					

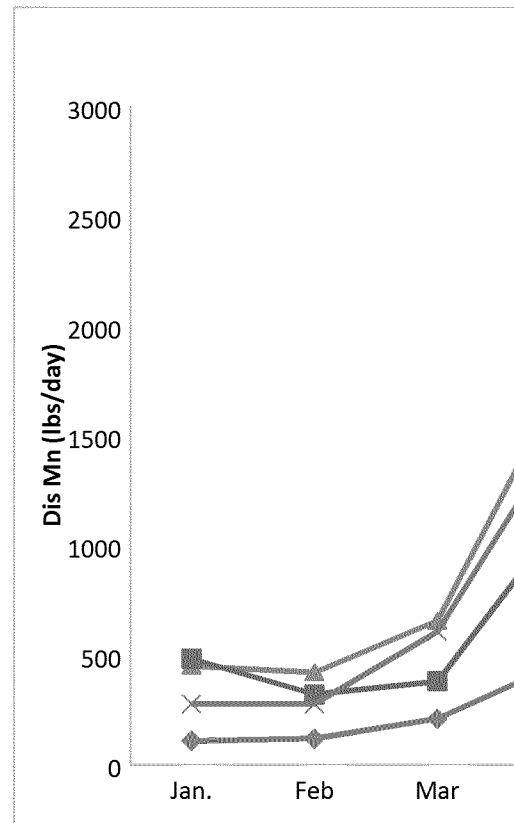
Ave. dZn 1991-mid 1996  
85th dMn 1991-mid 1996  
Ave. Hardness 1991-mid 1996  
TVS Std. 1991-mid 1996

Ave. monthly flows  
1991-mid 1996 (cfs)

dMn Load 1991-mid 1996  
lbs/day











July	Aug	Sept	Oct	Nov	Dec
Mn	Mn	Mn	Mn	Mn	Mn
390	720	682	1550	2000	3460
421	849	1200	1620	1492	2790
560	640	1010	881	2100	2680
646	1540	1224	1570	2369	2850
590	1110	820	1710	2000	
890		1293		1900	
580		1100			

Ave. dZn 1998-2001  
85th dMn 1998-2001  
Ave. Hardness 1998-2001  
TVS Std. 1998-2001

Ave. monthly flows  
1998-2001 (cfs)

dMn Load 1998-2001  
lbs/day

2000	2001
------	------

es







July	Aug	Sept	Oct	Nov	Dec
Mn	Mn	Mn	Mn	Mn	Mn
693	414	1262	1228	1530	2354
615	623	1370	1452	2870	2332
595	1050	1888	1978	1880	2239
668	1320	1540	1422	2380	1904
740	1309	1207	1469	1790	1784
649	686	1310	1310	1392	
433	821	909		1638	
537		1140			

Ave. dZn 2007-2011  
85th dMn 2007-2011  
Ave. Hardness 2007-2011  
Actual Std. 2007-2011

Ave. monthly flows  
2007-2011 (cfs)

dMn Load 2007-2011  
lbs/day

2010	2011
------	------





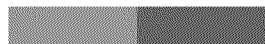
July	Aug	Sept	Oct	Nov	Dec
Mn	Mn	Mn	Mn	Mn	Mn
666	991	944	1380	1646	2623
493	1135	1423	1320	1214	2399
	881	928	1225	1095	1445
		826	1410		
			1177		
			700		

Ave. dZn 2012-2014  
85th dMn 2012-2014  
Ave. Hardness 2012-2014  
Actual Std. 2012-2014

Ave. monthly flows  
2012-2014 (cfs)

dMn Load 2012-2014  
lbs/day

Ratio of 85th dMn/TVS











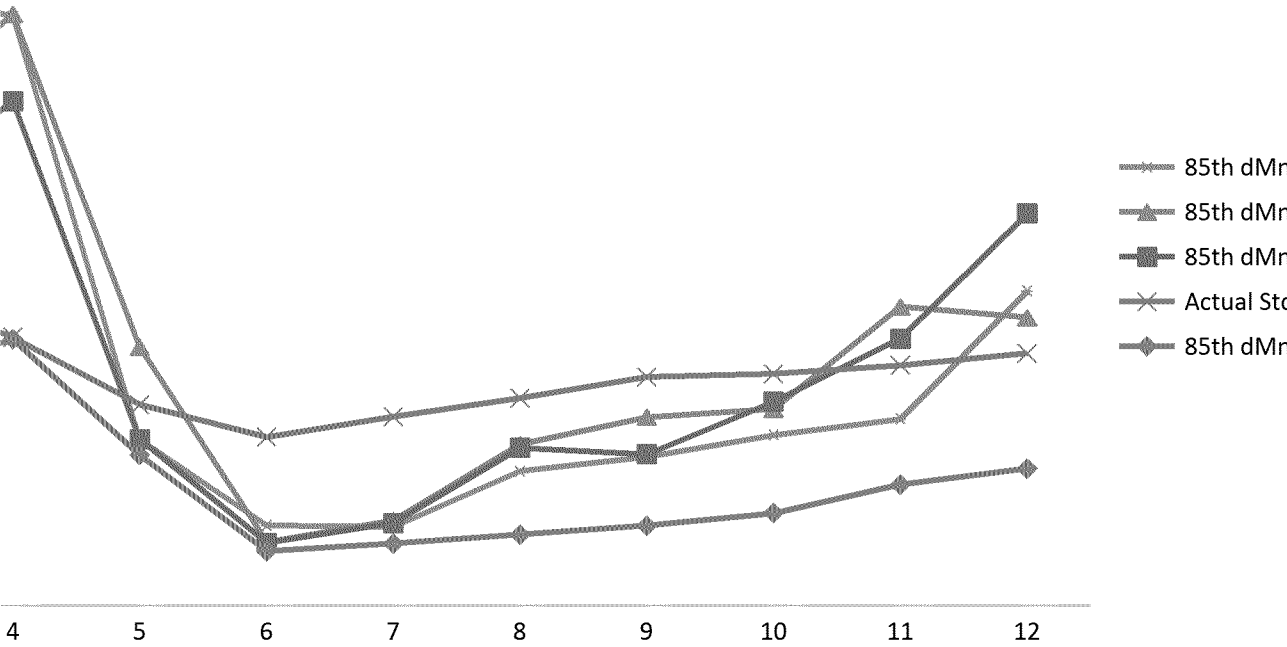


2006-2011 #REF! #DIV/0!

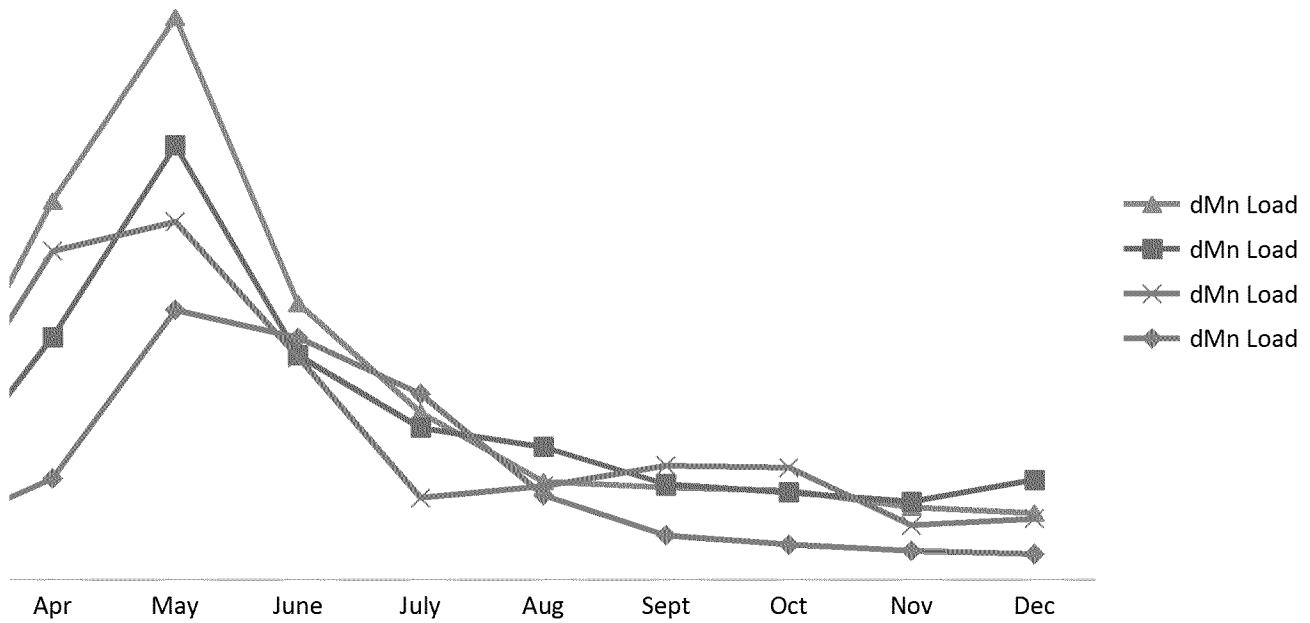


Jan.	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct
870	891	1367	1523	709	366	375	465	486	623
1151	1247	1834	2163	1225	444	505	578	651	752
79	141	178	89	76	65	87	111	107	146
1522	1851	1999	1588	1505	1428	1576	1707	1685	1870
24	25	28	56	322	558	420	154	78	48
110	120	210	463	1231	1102	848	386	203	162

Dis Mn Conc. At A68



## Dis Mn Load at A68







Jan.	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct
3250	2701	2752	2995	1128	386	582	972	1047	1466
3940	3457	3298	4095	1353	509	670	1282	1231	1656
181	193	166	207	87	66	71	117	129	146
2009	2055	1953	2102	1574	1433	1469	1740	1794	1873
28	22	26	68	326	492	221	116	77	50
483	322	381	1105	1981	1023	693	606	436	399









Jan.	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct
2959	3113	3373	3864	1333	413	616	889	1328	1476
3148	3445	3890	4803	2101	516	692	1310	1532	1596
164	189	192	159	97	57	80	106	142	148
1945	2040	2571	2179	1632	1371	1534	1683	1856	1881
TVS=		2048	1927						
28	25	36	83	356	565	230	94	59	51
452	423	657	1727	2562	1259	764	449	422	408



Jan.	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct
2397	2485	4069	3017	967	532	579	1002	1030	1202
2552	2582	4986	4786	1348	653	640	1091	1207	1388
215	192	182	146	84	61	88	112	139	149
2128	2050	2571	2179	1559	1396	1579	1713	1839	1882
TVS=		2013	1872						
22	21	28	92	313	353	120	79	94	79
278	277	608	1498	1633	1013	374	427	520	511
1.20	1.26	2.48	2.56	0.86	0.47	0.41	0.64	0.66	0.74













#DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!

Nov	Dec
738	864
983	1113
121	194
1758	2057
33	25
133	118

2012-2014
2007-2011
1998-2001
2007-2011
1991-mid 1996

2007-2011  
1998-2001  
2012-2014  
1991-mid 1996





Nov	Dec
1977	2945
2167	3186
115	204
1730	2090
33	29
356	456









Nov	Dec
1926	2123
2429	2341
166	191
1952	2047
32	27
331	306



Nov	Dec
1318	2155
1516	2556
153	206
1899	2099
35	24
248	279
0.80	1.22















DATE CD\_DIS

09/05/91	1.10
09/06/91	1.40
09/07/91	1.90
09/09/91	1.10
09/10/91	1.40
12/08/91	1.31
01/15/92	1.22
02/13/92	0.93
03/05/92	1.07
03/16/92	1.25
04/13/92	1.74
04/20/92	1.65
04/30/92	1.34
05/05/92	1.54
05/11/92	1.71
05/18/92	1.35
05/26/92	1.18
06/01/92	1.42
06/08/92	1.21
06/15/92	1.29
06/22/92	1.12
06/23/92	1.40
06/24/92	1.70
06/25/92	1.80
07/14/92	0.90
07/21/92	0.97
07/27/92	1.37
08/10/92	1.23
08/24/92	2.14
9/15/1992	
09/16/92	0.96
10/14/92	0.83
10/14/92	1.20
10/15/92	1.20
11/18/92	0.76
12/16/92	0.93
01/13/93	1.00
02/17/93	0.78
03/10/93	0.88
03/31/93	4.49
04/14/93	5.04

Jan. Cd	Feb Cd	Mar Cd	Apr Cd	May Cd
1.22	0.93	1.07	1.74	1.54
1.00	0.78	1.25	1.65	1.71
1.12	1.50	0.88	1.34	1.35
1.12	1.34	4.49	5.04	1.18
		0.05	5.27	4.65
		2.22	4.68	2.92
		1.78	1.86	1.09
		2.01	2.30	0.05
		2.21	1.87	2.38
		2.04	1.70	1.59
			2.72	1.44
			3.30	2.70
			2.50	3.21
				1.61
				1.59
				1.89
				1.54
				0.98
				1.42

COLOR CODE:

1991

1992

All red font are averages of same day samp  
Didn't use any RL's greater than 1.0.

04/21/93	5.27
04/29/93	4.68
05/04/93	4.65
05/12/93	2.92
05/26/93	1.09
06/02/93	1.63
06/09/93	2.09
06/16/93	1.10
06/23/93	1.47
07/14/93	1.04
07/20/93	1.04
07/21/93	1.26
07/21/93	0.98
07/28/93	1.12
08/11/93	0.25
08/25/93	1.03
09/15/93	1.26
10/13/93	1.19
11/17/93	1.24
12/15/93	1.53
01/12/94	1.12
03/16/94	<.1
03/30/94	2.22
4/13/1994	-9.00
04/20/94	1.86
04/27/94	2.30
05/03/94	<.1
05/11/94	2.38
05/18/94	1.59
5/24/1994	1.44
06/01/94	1.30
06/08/94	<.1
06/15/94	1.01
06/22/94	0.91
07/13/94	0.86
07/20/94	0.94
07/27/94	0.84
08/10/94	0.86
08/24/94	1.09
09/15/94	1.06
10/13/94	0.93
11/09/94	1.14
11/09/94	1.50
12/13/94	1.16
01/18/95	1.12
02/15/95	1.50
03/01/95	1.78

3/15/1995	2.01
4/6/1995	1.87
4/12/1995	1.70
04/12/95	1.00
4/19/1995	2.72
05/03/95	2.70
5/10/1995	3.21
5/22/1995	1.61
05/31/95	1.59
06/07/95	1.17
06/14/95	0.89
06/21/95	0.99
06/21/95	1.20
06/28/95	1.16
07/05/95	1.06
7/12/1995	0.75
07/19/95	1.01
08/02/95	0.80
08/16/95	0.73
09/06/95	1.10
9/13/1995	
10/11/95	0.94
11/15/1995	1
11/29/95	0.91
12/13/1995	0.89
02/14/96	1.34
03/13/96	2.21
03/20/96	2.04
4/3/1996	-9.00
04/09/96	3.30
04/10/96	2.50
04/17/96	-9.00
05/01/96	1.89
05/08/96	1.54
05/15/96	0.98
05/21/96	<5
05/29/96	1.42
06/05/96	0.95
06/12/96	0.82
06/18/96	1.00
06/19/96	0.88
06/26/96	0.77
07/03/96	-9.00
07/10/96	0.72
07/16/96	1.00
07/17/96	0.85
08/07/96	0.99

8/14/1996	<5
8/14/1996	1.00
08/21/96	1.02
09/18/96	1.07
10/01/96	1.10
10/16/96	0.74
10/18/1996	1.00
10/23/1996	1.08
11/7/1996	1.00
11/13/1996	1.41
11/19/96	4.14
12/13/1996	2.00
1/7/1997	<5
01/08/97	4.48
01/30/97	4.57
2/5/1997	2.00
02/25/97	3.22
3/5/1997	<5
03/12/97	2.58
03/19/97	3.27
03/25/97	6.72
04/02/97	2.49
4/11/1997	5.00
04/16/97	2.72
4/16/1997	2.61
04/29/97	5.42
04/30/97	2.05
05/07/97	<5
05/14/97	<2
05/21/97	1.08
05/21/97	<2
05/28/97	1.22
05/29/97	<2
06/04/97	0.99
06/05/97	<2
6/10/1997	1.00
6/11/1997	1.15
06/11/97	<2
06/16/97	<2
6/18/1997	0.90
6/25/1997	1.21
06/26/97	<2
07/01/97	<2
7/2/1997	-9.00
07/09/97	1.20
07/15/97	<2
7/16/1997	0.77

07/30/97	<2
08/12/97	<2
8/13/1997	0.92
8/13/1997	1.00
09/11/97	1.20
9/11/1997	1.06
9/17/1997	0.91
09/25/97	<2
10/8/1997	2.00
10/15/1997	0.81
10/22/97	<2
11/12/97	1.60
11/12/1997	1.16
11/25/97	<2
12/3/1997	2.00
12/17/1997	1.40
12/23/97	2.81

01/07/98	2.30
2/4/1998	<1
02/12/98	3.02
3/4/1998	1.19
03/05/98	2.00
03/16/98	3.27
3/18/1998	1.88
4/1/1998	2.65
04/08/98	3.00
4/15/1998	4.45
04/23/98	3.73
4/29/1998	3.72
5/5/1998	2.28
05/06/98	<2
05/07/98	2.40
5/13/1998	1.72
5/20/1998	1.44
5/27/1998	1.08
05/29/98	<2
06/02/98	<2
6/3/1998	0.65
06/09/98	<2
6/10/1998	0.65
06/10/98	-1.00
6/17/1998	0.48
6/17/1998	0.81
6/24/1998	0.69
06/24/98	<2
07/01/98	0.80
07/09/98	<2

Jan.	Feb	Mar	Apr	May
Cd	Cd	Cd	Cd	Cd
2.30	0.50	1.19	2.65	2.28
2.00	3.02	2.00	3.00	2.40
1.70	1.00	3.27	4.45	1.72
2.50	4.85	1.88	3.73	1.44
	2.00	2.80	3.72	1.08
	1.89	4.21	1.71	6.20
	2.00	1.90	2.00	1.20
		2.16	1.19	1.90
		2.40	2.94	
			3.00	
			3.00	

**COLOR CODE:**

1998	1999
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All red font are averages of same day samp  
 Didn't use any RL's greater than 1.0.

7/15/1998	0.79
7/22/1998	0.82
07/22/98	<2
08/05/98	1.00
8/26/1998	0.82
9/2/1998	0.90
09/09/98	1.40
9/16/1998	0.61
09/30/98	<2
10/07/98	1.00
11/03/98	1.80
11/18/1998	1.51
12/02/98	-1.00
01/06/99	2.00
01/06/99	2.00
02/04/99	1.00
02/17/99	<2
2/24/1999	4.85
03/03/99	2.80
3/17/1999	4.21
4/1/1999	1.71
04/07/99	2.00
4/26/1999	1.19
04/29/99	2.94
05/06/99	6.20
06/09/99	-1.00
6/23/1999	<.6
07/07/99	-1.00
8/4/99	0.90
8/4/1999	0.90
08/19/99	<2
9/1/99	1.00
9/16/1999	1.70
10/06/99	<1
10/14/1999	1.08
11/3/1999	1.80
11/17/1999	3.66
12/01/99	1.00
1/5/00	1.70
02/02/00	2.00
2/28/2000	1.89
3/1/00	1.90
3/15/2000	2.16
04/05/00	3.00
5/3/00	1.20
06/07/00	<1
7/5/00	1.00



08/02/00	1.00
9/6/00	1.60
10/04/00	1.00
11/1/00	1.30
12/06/00	3.00
1/3/01	2.50
02/07/01	2.00
3/14/01	2.40
04/04/01	3.00
5/2/01	1.90
06/06/01	<1
7/6/01	0.90
08/01/01	<1
<b>9/5/01</b>	<b>1.50</b>
10/03/01	2.00
<b>11/7/01</b>	<b>1.80</b>
12/05/01	2.00

1/2/02	2.80
3/6/02	1.70
04/03/02	<1
05/01/02	<1
6/5/02	0.30
6/27/2002	1.13
7/3/02	1.30
7/17/2002	1.39
08/07/02	2.00
8/14/2002	1.74
9/4/02	2.00
9/18/2002	1.67
10/02/02	3.00
10/25/2002	2.13
11/6/02	2.00
11/12/2002	2.08
12/04/02	3.00
12/8/2002	2.87
1/8/2003	3.43
1/9/2003	3.00
2/1/2003	2.74
02/05/03	3.00
3/9/2003	2.39
4/24/2003	2.45
5/7/2003	1.90
5/7/2003	1.76
6/2/2003	0
7/2/2003	1.19
7/2/2003	1.17
8/14/2003	1.49

9/11/2003	2.34
9/11/03	
10/4/2003	1.69
11/6/03	2.50
12/29/2003	2.46
3/3/2004	2.40
3/3/04	2.20
4/16/2004	5.43
5/5/2004	2.57
5/5/04	1.70
5/28/2004	0.94
6/17/2004	1.28
7/7/2004	0.95
7/7/04	1.30
8/19/2004	1.80
9/1/04	2.00
9/15/2004	2.47
10/14/2004	0.95
11/10/04	1.88
11/10/04	0.20
12/08/04	2.56
01/20/05	2.08
02/15/05	3.30
03/02/2005	3.6
03/13/05	3.73
04/09/05	3.68
05/04/05	3.41
05/04/2005	2.5
6/9/2005	1.2
7/6/2005	1.03
07/06/2005	1
8/10/05	1.01
<b>9/14/05</b>	<b>1.38</b>
9/14/05	1.38
9/15/2005	1.4
10/13/05	1.5
11/2/05	1.59
11/2/2005	1.7
12/20/05	1.96
1/6/06	2.21
01/06/2006	1.9
2/8/06	2.89
<b>3/7/06</b>	<b>2.89</b>
3/15/06	2.76
03/15/2006	2.8
<b>4/5/06</b>	<b>2.76</b>
4/5/06	4.07

5/10/06	1.43
05/10/2006	1.6
05/16/2006	
<b>6/6/06</b>	<b>4.07</b>
6/6/06	0.98
7/12/06	1
07/12/2006	1.3
<b>8/2/06</b>	<b>0.98</b>
8/2/06	1.38
<b>9/6/06</b>	<b>1</b>
9/6/06	1.35
09/06/2006	1.2
10/11/06	1.43
11/1/06	1.71
11/01/2006	1.9
12/5/06	1.84
1/11/07	1.98
2/6/07	1.96
3/7/07	2.08
03/07/2007	2.1
4/2/07	2.34
<b>4/2/2007</b>	<b>2.34</b>
05/11/2007	<.2
5/11/2007	0.9
6/5/2007	0.78
6/14/07	0.9
07/11/2007	1
7/11/2007	0.97
8/6/2007	1.08
09/05/2007	<10
9/5/2007	1.45
10/25/2007	1.35
<b>10/25/2007</b>	<b>4.35</b>
11/07/2007	1.6
12/5/2007	1.77
01/02/08	2.10
1/2/2008	2.07
03/12/08	4.40
4/10/2008	6.96
05/07/08	1.80
5/7/2008	1.7
6/3/2008	0.78
07/09/08	3.00
7/9/2008	0.94
8/5/2008	0.9
09/03/08	1.4
9/3/2008	1.42

Jan.	Feb	Mar	Apr	May
Cd	Cd	Cd	Cd	Cd
1.98	1.96	2.09	2.34	0.5
2.09	1.8	4.40	6.96	1.75
1.86	2	2.7	2.04	0.73
		1.55	4.1	0.9
		1.6	2.93	1.27
		2.335	3.44	3
		2.7		1.53

**COLOR CODE:**

2007	2008
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All red font are averages of same day samp  
Didn't use any RL's greater than 1.0.

10/6/2008	1.48
11/07/08	2.30
11/7/2008	2.19
12/3/2008	1.7
3/4/2009	2.9
3/4/2009	2.5
4/6/2009	2.04
5/13/2009	0.7
5/13/2009	0.76
05/19/09	0.9
6/2/2009	0.87
06/16/09	0.8
7/8/2009	0.57
7/8/2009	0.8
07/14/09	0.8
8/12/2009	0.74
08/18/09	1
9/16/2009	1.5
9/16/2009	1.29
09/22/09	1.2
10/5/2009	1.29
11/4/2009	1.5
11/5/2009	<.1
11/17/09	1.7
12/1/2009	1.42
2/17/2010	1.8
3/2/2010	1.55
3/17/2010	1.6
4/13/2010	4.1
4/16/2010	2.93
5/5/2010	1.30
5/5/2010	1.23
6/2/2010	0.9
6/2/2010	0.81
7/8/2010	0.80
7/8/2010	0.82
7/13/2010	0.8
8/10/2010	1.18
9/9/2010	1.20
9/9/2010	0.91
9/14/2010	1.3
10/4/2010	0.89
11/2/2010	1.4
11/3/2010	1.20
11/3/2010	0.91
12/7/2010	1.26
1/5/2011	1.72

1/5/2011	2.00
2/11/2011	2
3/9/2011	2.17
3/9/2011	2.5
03/15/11	2.7
4/6/2011	3.44
5/4/2011	3
5/8/2011	1.53
6/3/2011	0.78
06/14/11	0.9
7/5/2011	0.71
07/19/11	0.8
8/1/2011	0.68
08/16/11	0.9
9/7/2011	0.78
9/7/2011	1.1
09/13/11	1.1
10/7/2011	1.12
10/18/11	1.1
11/2/2011	1.03
11/2/2011	1.2
12/7/2011	0.97
1/5/2012	1.33
2/9/2012	1.3
3/7/2012	1.07
4/3/2012	1.07
5/2/2012	0.84
5/15/2012	0.866
6/2/2012	0.72
8/6/2012	0.99
9/4/2012	1.11
10/1/2012	1.19
10/1/2012	1.14
10/2/2012	1.32
10/3/2012	1.28
10/3/2012	1.31
10/4/2012	1.29
11/7/2012	1.23
12/10/2012	1.9
1/7/2013	1.65
3/11/2013	1.59
4/10/2013	2.81
5/7/2013	1.31
5/14/2013	0.969
6/5/2013	1.01
7/7/2013	0.74

Jan. Cd	Feb Cd	Mar Cd	Apr Cd	May Cd
1.33	1.3	1.07	1.07	0.84
1.65	1.82	1.59	2.81	0.866
1.79		2.11	4.46	1.31
		4.03	4.51	0.969
		3.97	3.91	2.12
		4.84		1.33
		4.27	3	1.95
			3.25	1.2
			2.57	0.812
			1.65	
			1.64	

**COLOR CODE:**

2012 2013

All red font are averages of same day samp

8/4/2013	1.3
9/10/2013	1.64
10/2/2013	1.69
11/8/2013	1.47
12/13/2013	2.2
1/8/2014	1.79
2/7/2014	1.82
3/5/2014	2.11
3/21/2014	4.03
3/22/2014	3.97
3/25/2014	4.84
3/26/2014	4.27
4/4/2014	4.46
4/5/2014	4.51
4/9/2014	3.91
4/10/2014	3.64
4/10/2014	3.44
4/16/2014	3
4/17/2014	3.25
4/18/2014	2.57
4/25/2014	1.65
4/26/2014	1.64
5/1/2014	2.12
5/5/2014	1.33
5/13/2014	1.95
5/21/2014	1.2
5/28/2014	0.812
6/6/2014	0.88
6/6/2014	0.922
6/13/2014	0.928
6/23/2014	0.997
7/1/2014	0.9
7/2/2014	0.873
7/12/2014	0.836
7/20/2014	0.828
7/25/2014	0.714
8/1/2014	0.89
9/5/2014	1.1
9/24/2014	1.08
10/2/2014	1.29
11/7/2014	1.15
12/5/2014	1.27

June Cd	July Cd	Aug Cd	Sept Cd	Oct Cd	Nov Cd	Dec Cd
1.42	0.90	1.23	1.10	1.02	0.76	1.31
1.21	0.97	2.14	1.40	1.20	1.24	0.93
1.29	1.37	0.25	1.90	1.19		1.53
1.12	1.04	1.03	1.10	0.93	1	1.16
1.40	1.04	0.86	1.40	0.94	0.91	0.89
1.70	1.12	1.09	0.96			
1.80	1.12	0.80	1.26			
1.63	0.86	0.73	1.06			
2.09	0.94		1.10			
1.10	0.84					
1.47	1.06					
1.30	0.75					
0.05	1.01					
1.01						
0.91						
1.17						
0.89						
0.99						
1.16						
0.95						
0.82						
1.00						
0.88						
0.77						

1993	1994	1995	1996
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les









June Cd	July Cd	Aug Cd	Sept Cd	Oct Cd	Nov Cd	Dec Cd
0.65	0.80	1.00	0.90	1.00	1.80	1.00
0.65	0.79	0.82	1.40	0.50	1.51	3.00
0.65	0.82	0.90	0.61	1.08	1.80	2.00
0.69	1.00	1.00	1.00	1.00	3.66	
0.30	0.90	0.50	1.70	2.00	1.30	
0.5			1.60			
0.50						

2000	2001
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les







June Cd	July Cd	Aug Cd	Sept Cd	Oct Cd	Nov Cd	Dec Cd
0.78	0.985	1.08	1.45	1.35	1.6	1.77
0.9	1.97	0.9	1.41	1.48	2.25	1.7
0.78	0.685	0.74	1.395	1.29	1.5	1.42
0.87	0.8	1	1.2	0.89	1.7	1.26
0.8	0.81	1.18	1.06	1.12	1.4	0.97
0.86	0.8	0.68	1.3	1.1	1.06	
0.78	0.71	0.9	0.94		1.115	
0.9	0.8		1.1			

2009	2010	2011
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les



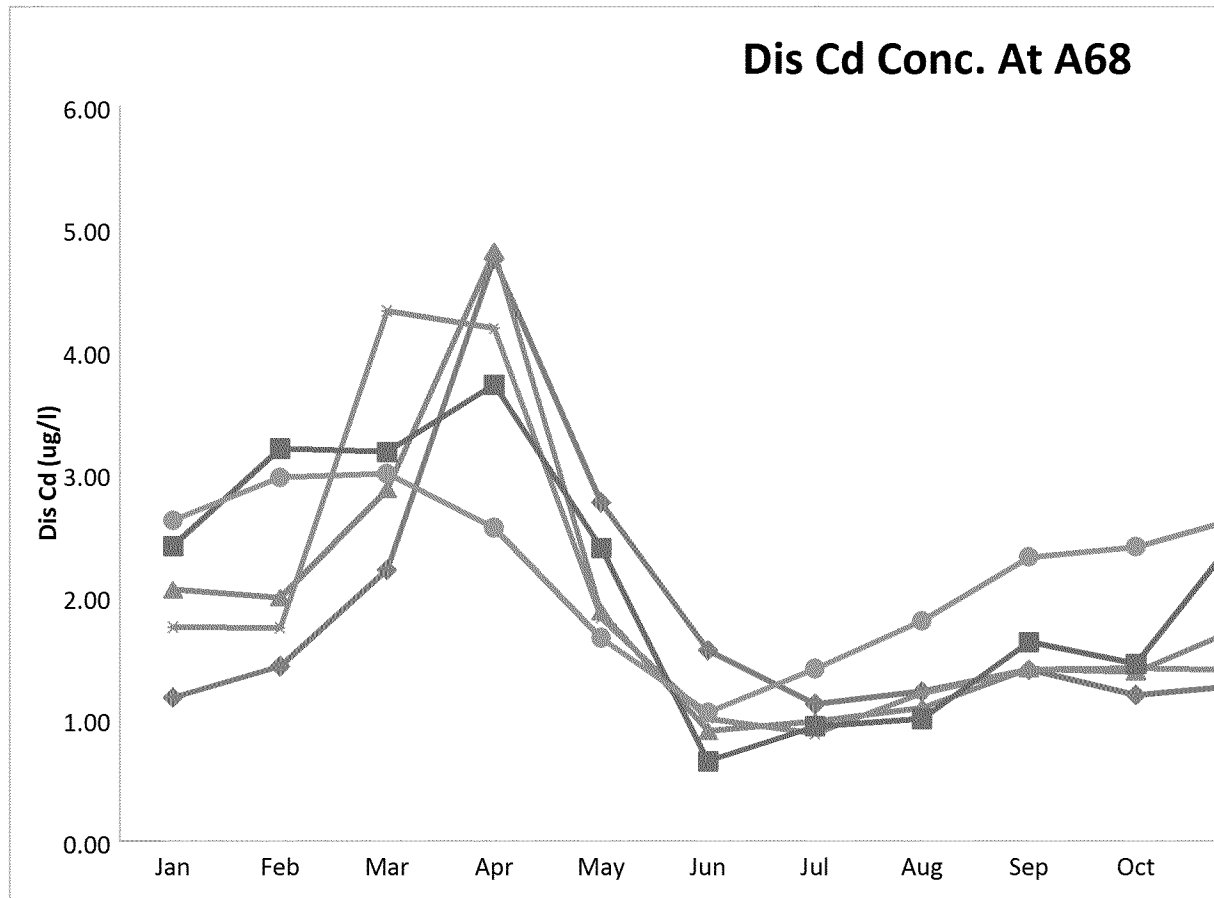


June Cd	July Cd	Aug Cd	Sept Cd	Oct Cd	Nov Cd	Dec Cd
0.72	0.74	0.99	1.11	1.165	1.23	1.9
1.01	0.9	1.3	1.64	1.32	1.47	2.2
0.901	0.873	0.89	1.1	1.295	1.15	1.27
0.928	0.836		1.08	1.29		
0.997	0.828			1.69		
	0.714			1.29		

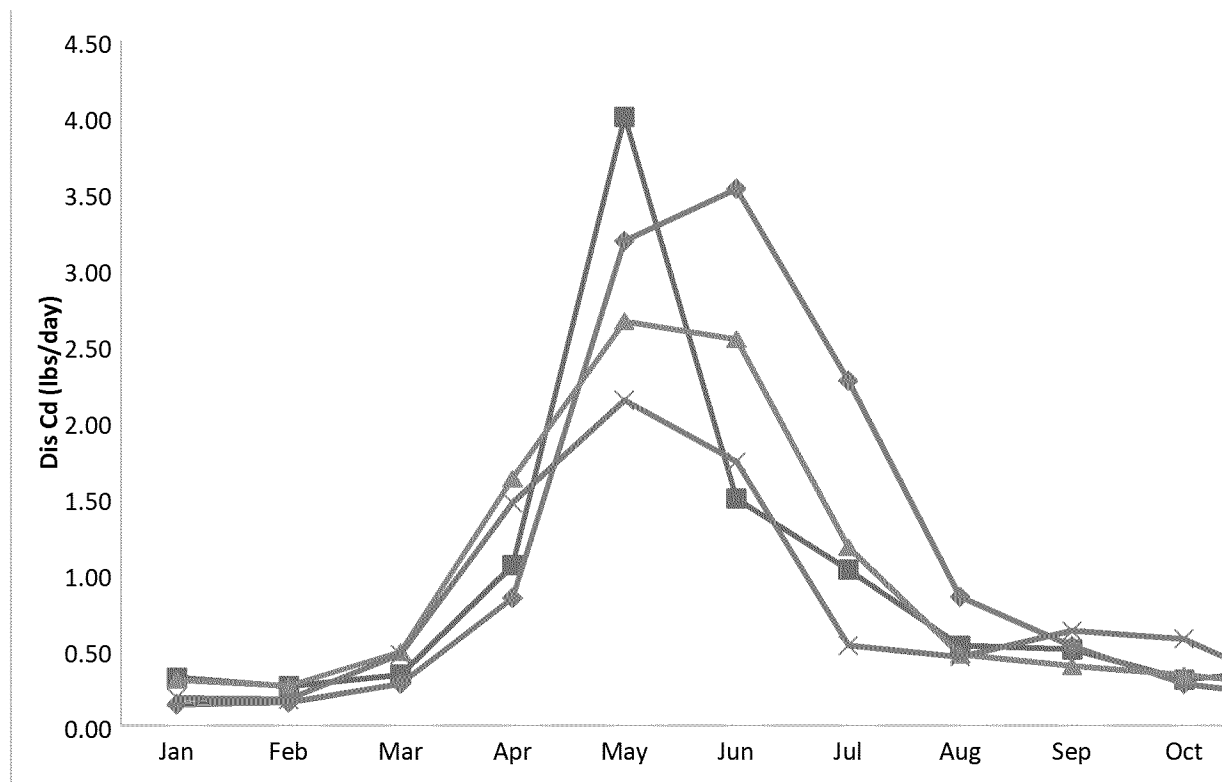
2014  
les



	Jan	Feb	Mar	Apr	May	Jun	Jul
Ave. dCd 1991-mid 1996	1.12	1.14	1.80	2.77	1.83	1.17	1.00
85th dCd 1991-mid 1996	1.18	1.43	2.22	4.75	2.77	1.56	1.12
Ave. Hardness 1991-mid 1996	79	141	178	89	76	65	87
Cd Standard 1991-mid 1996	0.35	0.55	0.66	0.39	0.34	0.31	0.38
Old Cd Std 1991-mid 1996	1.87	2.89	3.43	2.06	1.83	1.63	2.02
Ave. monthly flows 1991-mid 1996 (cfs)	24	25	28	56	322	558	420
dCd Load 1991-mid 1996 lbs/day	0.14	0.15	0.28	0.84	3.18	3.53	2.27



**Dis Cd Load at A68**







	Jan	Feb	Mar	Apr	May	Jun	Jul
Ave. dCd 1998-2001	2.13	2.18	2.42	2.85	2.28	0.56	0.86
85th dCd 1998-2001	2.41	3.20	3.18	3.73	2.39	0.65	0.94
Ave. Hardness 1998-2001	181	193	166	207	87	66	71
Cd Standard 1998-2001	0.66	0.70	0.62	0.73	0.38	0.31	0.33
Old Cd Std 1998-2001	3.46	3.64	3.25	3.83	2.02	1.64	1.73
Ave. monthly flows 1998-2001 (cfs)	28	22	26	68	326	492	221
dCd Load 1998-2001 lbs/day	0.32	0.26	0.34	1.05	4.00	1.49	1.03









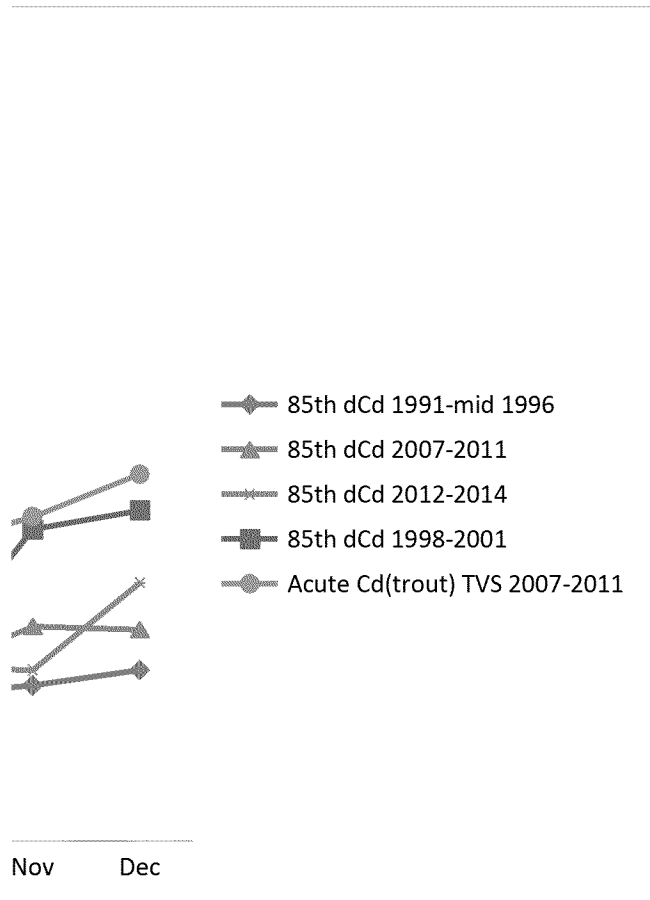
	Jan	Feb	Mar	Apr	May	Jun	Jul
Ave. dCd 2007-2011	1.98	1.92	2.48	3.64	1.38	0.83	0.95
85th dCd 2007-2011	2.05	1.99	2.87	4.82	1.88	0.90	0.98
Ave. Hardness 2007-2011	164	189	192	159	97	57	80
Actual Standard 2007-2011	0.62	0.69	0.69	3.50	2.20	0.28	0.36
Old Cd TVS 2007-2011	3.22	3.58	3.62	3.16	2.19	1.48	1.90
			TVS=	0.6	0.41		
Acute Cd(trout) TVS 2007-201	2.62	2.97	3.00	2.56	1.66	1.05	1.41
Ave. monthly flows 2007-2011 (cfs)	28	25	36	83	356	565	230
dCd Load 2007-2011 lbs/day	0.30	0.26	0.48	1.62	2.66	2.54	1.17
Ratio of 85th dCd/TVS	3.34	2.90	4.15	8.03	4.57	3.22	2.71

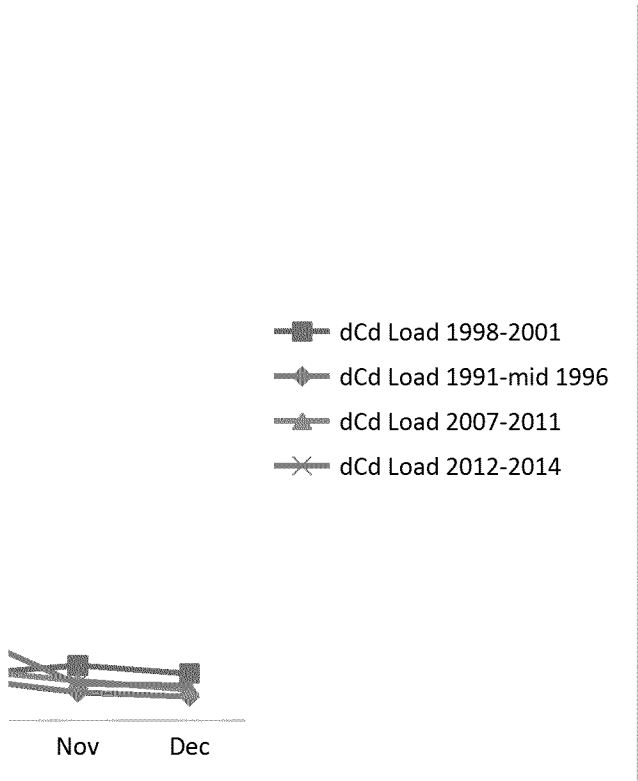


	Jan	Feb	Mar	Apr	May	Jun	Jul
Ave. dCd 2012-2014	1.59	1.56	3.13	2.95	1.27	0.91	0.82
85th dCd 2012-2014	1.75	1.74	4.33	4.19	1.83	1.00	0.88
Ave. Hardness 2012-2014	215	192	182	146	84	61	88
Actual Standard 2012-2014	0.75	0.69	0.67	3.50	2.20	0.29	0.38
Old Cd TVS 2012-2014	3.93	3.62	3.48	2.96	1.97	1.55	2.03
			TVS=	0.6	0.41		
Acute Cd(trout) TVS 2012-201	3.31	3.01	2.87	2.37	1.47	1.10	1.52
Ave. monthly flows 2012-2014 (cfs)	22	21	28	92	313	353	120
dCd Load 2012-2014 lbs/day	0.18	0.17	0.47	1.46	2.14	1.73	0.53
Ratio of 85th dCd/TVS	2.32	2.51	6.50	6.98	4.45	3.45	2.29



Aug	Sep	Oct	Nov	Dec
1.02	1.25	1.06	1.05	1.16
1.22	1.40	1.19	1.27	1.40
111	107	146	121	194
0.46	0.45	0.56	0.49	0.70
2.42	2.35	2.96	2.58	3.65
154	78	48	33	25
0.85	0.52	0.27	0.19	0.16











Aug	Sep	Oct	Nov	Dec
0.84	1.20	1.12	2.01	2.00
1.00	1.63	1.45	2.54	2.70
117	129	146	115	204
0.48	0.51	0.57	0.47	0.72
2.52	2.70	2.96	2.49	3.78
116	77	50	33	29
0.53	0.50	0.30	0.36	0.31







Aug	Sep	Oct	Nov	Dec
0.93	1.23	1.21	1.52	1.42
1.09	1.41	1.38	1.75	1.73
106	142	148	166	191
0.44	0.55	0.57	0.62	0.69
2.34	2.91	3.00	3.25	3.61
1.80	2.32	2.40	2.65	2.99
94	59	51	32	27
0.47	0.39	0.33	0.26	0.21
2.45	2.54	2.42	2.82	2.50





Aug	Sep	Oct	Nov	Dec
1.06	1.23	1.34	1.28	1.79
1.21	1.40	1.41	1.40	2.11
112	139	149	153	206
0.46	0.54	0.57	0.58	0.73
2.43	2.85	3.00	3.06	3.82
1.88	2.26	2.40	2.46	3.20
79	94	79	35	24
0.45	0.62	0.57	0.24	0.23
2.61	2.58	2.47	2.40	2.89



DATE CU\_DIS

09/05/91	6.00
09/06/91	<4
09/07/91	<4
09/09/91	4.00
09/10/91	<4
12/08/91	3.00
01/15/92	2.60
02/13/92	2.90
03/05/92	2.80
03/16/92	3.10
04/13/92	9.50
04/20/92	7.90
04/30/92	14.10
05/05/92	17.50
05/11/92	23.30
05/18/92	11.50
05/26/92	9.20
06/01/92	11.90
06/08/92	9.00
06/15/92	6.10
06/22/92	5.00
06/23/92	6.00
06/24/92	6.00
06/25/92	7.00
07/14/92	4.10
07/21/92	8.00
07/27/92	5.30
08/10/92	6.60
08/24/92	7.30
9/15/1992	
09/16/92	5.50
10/14/92	3.50
10/14/92	<4
10/15/92	2.50
11/18/92	3.80
12/16/92	3.00
01/13/93	4.00
02/17/93	3.20
03/10/93	2.50
03/31/93	10.60
04/14/93	10.40

Jan.	Feb	Mar	Apr	May
Cu	Cu	Cu	Cu	Cu
2.60	2.90	2.80	9.50	17.50
4.00	3.20	3.10	7.90	23.30
1.40	4.00	2.50	14.10	11.50
4.60	5.40	10.60	10.40	9.20
		0.05	10.70	14.50
		1.30	18.00	12.20
		14.60	12.00	12.90
		8.3	7.20	0.05
		3.00	11.80	14.90
		6.00	8.30	16.00
			6.05	16.9
			9.2	9.50
			5.20	9.3
			2.5	16.4
			8.40	7.20
				9.50
				13.50
				6.00
				9.20

**COLOR CODE:**

1991 1992

All red font are averages of same day samp  
Didn't use any RL's greater than 10.

04/21/93	10.70
04/29/93	18.00
05/04/93	14.50
05/12/93	12.20
05/26/93	12.90
06/02/93	11.00
06/09/93	12.50
06/16/93	8.50
06/23/93	6.60
07/14/93	5.30
07/20/93	6.00
07/21/93	3.80
07/21/93	<4
07/28/93	2.90
08/11/93	1.60
08/25/93	3.40
09/15/93	4.80
10/13/93	4.20
11/17/93	4.20
12/15/93	3.60
01/12/94	1.40
03/16/94	<.1
03/30/94	1.30
4/13/1994	12.00
04/20/94	7.20
04/27/94	11.80
05/03/94	<.1
05/11/94	14.90
05/18/94	16.00
5/24/1994	16.9
06/01/94	8.30
06/08/94	1.50
06/15/94	5.30
06/22/94	4.90
07/13/94	4.90
07/20/94	3.90
07/27/94	4.10
08/10/94	2.50
08/24/94	1.80
09/15/94	4.40
10/13/94	6.20
11/09/94	3.10
11/09/94	10.00
12/13/94	3.90
01/18/95	4.60
02/15/95	4.00
03/01/95	14.60

3/15/1995	8.3
4/6/1995	8.30
4/12/1995	11.60
04/12/95	<1
4/19/1995	9.2
05/03/95	9.50
5/10/1995	9.3
5/22/1995	16.4
05/31/95	7.20
06/07/95	14.40
06/14/95	15.30
06/21/95	15.10
06/21/95	6.00
06/28/95	6.80
07/05/95	9.20
7/12/1995	6
07/19/95	8.60
08/02/95	4.60
08/16/95	5.60
09/06/95	<1
9/13/1995	0
10/11/95	6.60
11/15/1995	5.4
11/29/95	9.00
12/13/1995	4.2
02/14/96	5.40
03/13/96	3.00
03/20/96	6.00
4/3/1996	5.20
04/09/96	<5
04/10/96	-9.00
04/17/96	8.40
05/01/96	-9.00
05/08/96	9.50
05/15/96	13.50
05/21/96	6.00
05/29/96	9.20
06/05/96	6.30
06/12/96	6.30
06/18/96	6.00
06/19/96	3.80
06/26/96	3.90
07/03/96	3.90
07/10/96	-9.00
07/16/96	<5
07/17/96	3.40
08/07/96	3.60

8/14/1996	<5
8/14/1996	<1
08/21/96	5.50
09/18/96	2.90
10/01/96	0.00
10/16/96	3.70
10/18/1996	<1
10/23/1996	1.10
11/7/1996	3.00
11/13/1996	4.10
11/19/96	6.11
12/13/1996	4.00
1/7/1997	5.00
01/08/97	<4
01/30/97	4.81
2/5/1997	4.00
02/25/97	4.07
3/5/1997	<5
03/12/97	6.00
03/19/97	9.60
03/25/97	6.54
04/02/97	11.40
4/11/1997	12.00
04/16/97	19.40
4/16/1997	2.60
04/29/97	9.65
04/30/97	7.20
05/07/97	14.00
05/14/97	14.55
05/21/97	12.10
05/21/97	5.96
05/28/97	15.60
05/29/97	9.34
06/04/97	9.70
06/05/97	5.64
6/10/1997	4.00
6/11/1997	6.50
06/11/97	4.55
06/16/97	7.78
6/18/1997	7.10
6/25/1997	4.50
06/26/97	5.01
07/01/97	<4
7/2/1997	9.10
07/09/97	<5
07/15/97	<4
7/16/1997	4.00

07/30/97	<4
08/12/97	<4
8/13/1997	3.60
8/13/1997	<10
09/11/97	<5
9/11/1997	1.10
9/17/1997	4.90
09/25/97	<4
10/8/1997	<10
10/15/1997	5.20
10/22/97	4.12
11/12/97	<5
11/12/1997	4.70
11/25/97	<4
12/3/1997	<10
12/17/1997	5.60
12/23/97	<4

01/07/98	5.00
2/4/1998	<10
02/12/98	<4
3/4/1998	4.20
03/05/98	<5
03/16/98	<4
3/18/1998	4.50
4/1/1998	12.60
04/08/98	10.00
4/15/1998	10.90
04/23/98	6.60
4/29/1998	9.20
5/5/1998	11.90
05/06/98	6.64
05/07/98	9.00
5/13/1998	10.40
5/20/1998	11.20
5/27/1998	8.50
05/29/98	6.69
06/02/98	<4
6/3/1998	6.20
06/09/98	4.81
6/10/1998	6.2
06/10/98	<1
6/17/1998	4.40
6/17/1998	7.5
6/24/1998	3.10
06/24/98	<4
07/01/98	<5
07/09/98	<4

Jan.	Feb	Mar	Apr	May
Cu	Cu	Cu	Cu	Cu
5.00	5.00	4.20	12.60	11.90
2.50	2.00	2.50	10.00	6.64
3.00	0.50	2.00	10.90	9.00
2.50	2.00	4.50	6.60	10.40
	5.10	2.50	9.20	11.20
	3.00	6.6	4.00	8.50
	3.90	3.00	9.00	6.69
	2.50	4.40	13.30	10.00
		4.00	6.45	13.00
			23.00	14.00
			10.00	

**COLOR CODE:**

1998

1999

All red font are averages of same day samp  
Didn't use any RL's greater than 10.

7/15/1998	3.90
7/22/1998	2.70
07/22/98	5.06
08/05/98	<4
8/26/1998	4.20
9/2/1998	<5
09/09/98	<5
9/16/1998	1.00
09/30/98	<4
10/07/98	<1
11/03/98	<5
11/18/1998	8.20
12/02/98	10.00
01/06/99	<5
01/06/99	<5
02/04/99	<1
02/17/99	<4
2/24/1999	5.10
03/03/99	<5
3/17/1999	6.60
4/1/1999	4.00
04/07/99	9.00
4/26/1999	13.30
04/29/99	6.45
05/06/99	10.00
06/09/99	7.00
6/23/1999	5.60
07/07/99	<1
8/4/99	<5
8/4/1999	<5
08/19/99	<4
9/1/99	4.00
9/16/1999	14.30
10/06/99	3.00
10/14/1999	11.20
11/3/99	4.00
11/17/1999	15.40
12/01/99	3.00
1/5/00	3.00
02/02/00	3.00
2/28/2000	3.90
3/1/00	3.00
3/15/2000	4.40
04/05/00	23.00
5/3/00	13.00
06/07/00	3.00
7/5/00	5.00



08/02/00	3.00
9/6/00	<5
10/04/00	5.00
11/1/00	<5
12/06/00	<10
1/3/01	<5
02/07/01	<5
3/14/01	4.00
04/04/01	10.00
5/2/01	14.00
06/06/01	10.00
7/6/01	3.00
08/01/01	<10
9/5/01	<b>12.00</b>
10/03/01	5.00
11/7/01	<b>3.20</b>
12/05/01	<10

1/2/02	4.00
3/6/02	13.00
04/03/02	<10
05/01/02	10.00
6/5/02	1.80
6/27/2002	4.40
7/3/02	6.00
7/17/2002	4.60
08/07/02	<10
8/14/2002	4.30
9/4/02	5.00
9/18/2002	3.60
10/02/02	<10
10/25/2002	4.90
11/6/02	5.00
11/12/2002	4.90
12/04/02	20.00
12/8/2002	4.00
1/8/2003	5.90
1/9/2003	4.00
2/1/2003	5.40
02/05/03	<10
3/9/2003	5.40
4/24/2003	6.90
5/7/2003	9.80
5/7/2003	10.31
6/2/2003	0
7/2/2003	4.00
7/2/2003	4.38
8/14/2003	5.30

9/11/2003	7.50
9/11/03	
10/4/2003	6.60
11/6/03	4.00
12/29/2003	4.20
3/3/2004	3.60
3/3/04	4.00
4/16/2004	13.00
5/5/2004	20.80
5/5/04	17.00
5/28/2004	6.20
6/17/2004	5.00
7/7/2004	2.6
7/7/04	3.00
8/19/2004	5.60
9/1/04	5.00
9/15/2004	7.5
10/14/2004	2.60
11/10/04	2.90
11/10/04	3.00
12/08/04	4.10
01/20/05	2.16
02/15/05	3.71
03/02/2005	4
03/13/05	5.88
04/09/05	7.43
05/04/05	5.78
05/04/2005	7
6/9/2005	7.1
7/6/2005	4.5
07/06/2005	4
8/10/05	3.7
<b>9/14/05</b>	<b>2.7</b>
9/14/05	2.7
9/15/2005	3
10/13/05	7.2
11/2/05	5.4
11/2/2005	4
12/20/05	2.7
1/6/06	4.8
01/06/2006	2
2/8/06	4.3
<b>3/7/06</b>	<b>4.3</b>
3/15/06	3.1
03/15/2006	4
<b>4/5/06</b>	<b>3.1</b>
4/5/06	5.6

5/10/06	10
05/10/2006	9
05/16/2006	7
<b>6/6/06</b>	<b>5.6</b>
6/6/06	4
7/12/06	2
07/12/2006	3
<b>8/2/06</b>	<b>4</b>
8/2/06	4.8
<b>9/6/06</b>	<b>2</b>
9/6/06	3.3
09/06/2006	4
10/11/06	7.5
11/1/06	4.2
11/01/2006	5
12/5/06	3.3
1/11/07	3
2/6/07	3.1
3/7/07	1.5
03/07/2007	3
4/2/07	3.4
<b>4/2/2007</b>	<b>3.4</b>
05/11/2007	10
5/11/2007	8.3
6/5/2007	4.3
6/14/07	<10
07/11/2007	3
7/11/2007	3.6
8/6/2007	4.3
09/05/2007	<10
9/5/2007	5.6
10/25/2007	4.7
<b>10/25/2007</b>	<b>4.7</b>
11/07/2007	3
12/5/2007	3.5
01/02/08	2.00
1/2/2008	1.2
03/12/08	5.00
4/10/2008	11.9
05/07/08	8.00
5/7/2008	12.4
6/3/2008	6.3
07/09/08	3.00
7/9/2008	3.4
8/5/2008	4.6
09/03/08	3
9/3/2008	3.6

Jan.	Feb	Mar	Apr	May
Cu	Cu	Cu	Cu	Cu
3	3.1	2.25	3.4	9.15
1.60	1.50	5.00	11.9	10.20
2.1	4.2	4.15	5.8	5.15
		5	8.3	7.20
		1.5	8.1	6
		4.15	9.4	7.7
		5		

**COLOR CODE:**

2007

2008

All red font are averages of same day samp  
Didn't use any RL's greater than 10.

10/6/2008	5.7
11/07/08	3.00
11/7/2008	2.9
12/3/2008	4.7
3/4/2009	4
3/4/2009	5.1
4/6/2009	5.8
5/13/2009	4
5/13/2009	6.3
05/19/09	4.5
6/2/2009	4.8
06/16/09	3.7
7/8/2009	2.8
7/8/2009	3
07/14/09	<3.0
8/12/2009	3.2
08/18/09	<3.0
9/16/2009	3
9/16/2009	2.6
09/22/09	<3.0
10/5/2009	4.4
11/4/2009	3.00
11/5/2009	<1
11/17/09	<3.0
12/1/2009	3.3
02/17/10	<3.0
3/2/2010	5
3/17/2010	<3.0
4/13/2010	8.3
4/16/2010	8.1
5/5/2010	7.00
5/5/2010	7.4
6/2/2010	<10.0
6/2/2010	4.3
7/8/2010	2.00
7/8/2010	3.7
07/13/10	<10.0
8/10/2010	3.4
9/9/2010	3.00
9/9/2010	3
09/14/10	<10.0
10/4/2010	3
11/02/10	<10.0
11/3/2010	3.00
11/3/2010	2.8
12/7/2010	3.4
1/5/2011	2.2

1/5/2011	2.00
2/11/2011	4.2
3/9/2011	3.3
3/9/2011	5
03/15/11	<10.0
4/6/2011	9.4
5/4/2011	6
5/8/2011	7.7
6/3/2011	6.6
06/14/11	<10.0
7/5/2011	2.8
07/19/11	<20.0
8/1/2011	2.4
08/16/11	<20.0
9/7/2011	<1
9/7/2011	2
09/13/11	<20.0
10/7/2011	2.7
10/18/11	<20.0
11/2/2011	4.1
11/2/2011	2
12/7/2011	2.5
1/5/2012	2.7
2/9/2012	2.6
3/7/2012	4.5
4/3/2012	8
5/2/2012	6.8
5/15/2012	4.33
6/2/2012	5.2
8/6/2012	4.1
9/4/2012	5.8
10/1/2012	2.73
10/1/2012	4.02
10/2/2012	1.95
10/3/2012	5.5
10/3/2012	1.9
10/4/2012	1.26
11/7/2012	3.9
12/10/2012	3.7
1/7/2013	3
3/11/2013	0 Reporting limit 2?
4/10/2013	5.4
5/7/2013	12.2
5/14/2013	10.3
6/5/2013	5
7/7/2013	3.8

Jan.	Feb	Mar	Apr	May
Cu	Cu	Cu	Cu	Cu
2.7	2.6	4.5	8	6.8
3	2.3	1	5.4	4.33
2.9		2.6	5.2	12.2
		3.4	6.6	10.3
		3.8	7.6	5.3
		5		11.3
		6.1	5.99	
			7.7	
			7.1	
			11.9	
			12.4	

**COLOR CODE:**

2012

2013

All red font are averages of same day samp

8/4/2013	4.9
9/10/2013	5.2
10/2/2013	8.3
11/8/2013	3.4
12/13/2013	2
1/8/2014	2.9
2/7/2014	2.3
3/5/2014	2.6
3/21/2014	3.4
3/22/2014	3.8
3/25/2014	5
3/26/2014	6.1
4/4/2014	5.2
4/5/2014	6.6
4/9/2014	7.6
4/10/2014	7.2
4/10/2014	17.4
4/16/2014	5.99
4/17/2014	7.7
4/18/2014	7.1
4/25/2014	11.9
4/26/2014	12.4
5/1/2014	5.3
5/5/2014	11.3
5/13/2014	
5/21/2014	
5/28/2014	
6/6/2014	5.3
6/6/2014	
6/13/2014	
6/23/2014	
7/1/2014	3.2
7/2/2014	
7/12/2014	
7/20/2014	
7/25/2014	
8/1/2014	3.8
9/5/2014	3.3
9/24/2014	3.32
10/2/2014	5.8
11/7/2014	3.2
12/5/2014	2.4

June	July	Aug	Sept	Oct	Nov	Dec
Cu	Cu	Cu	Cu	Cu	Cu	Cu
11.90	4.10	6.60	6.00	2.75	3.80	3.00
9.00	8.00	7.30	2.00	2.50	4.20	3.00
6.10	5.30	1.60	2.00	4.20	6.80	3.60
5.00	5.30	3.40	4.00	6.20	5.4	3.90
6.00	6.00	2.50	2.00	6.60	9.00	4.2
6.00	2.9	1.80	5.50			
7.00	2.90	4.60	4.80			
11.00	4.90	5.60	4.40			
12.50	3.90		0.50			
8.50	4.10					
6.60	9.20					
8.30	6					
1.50	8.60					
5.30						
4.90						
14.40						
15.30						
10.55						
6.80						
6.30						
6.30						
6.00						
3.80						
3.90						
1993	1994	1995	1996			

les









June	July	Aug	Sept	Oct	Nov	Dec
Cu	Cu	Cu	Cu	Cu	Cu	Cu
2.00	2.50	2.00	2.50	0.50	2.50	10.00
6.20	2.00	4.20	2.50	3.00	8.20	3.00
4.81	3.90	2.50	1.00	11.20	4.00	5.00
3.35	3.88	2.00	2.00	5.00	15.40	5.00
5.95	0.50	3.00	4.00	5.00	2.50	
2.00	5.00	5.00	14.30			
7.00	3.00		2.50			
5.60						
3.00						
10.00						

2000 2001  
les







June	July	Aug	Sept	Oct	Nov	Dec
Cu	Cu	Cu	Cu	Cu	Cu	Cu
4.3	3.3	4.3	5.3	4.7	3	3.5
5	3.20	4.6	3.30	5.7	2.95	4.7
6.3	2.90	3.2	2.80	4.4	3.5	3.3
4.8	1.5	1.5	1.5	3	5	3.4
3.7	2.85	3.4	3	2.7	2.90	2.5
4.65	5	2.4	5		3.05	
6.6	2.8		1.25			
5						

2009	2010	2011
les		





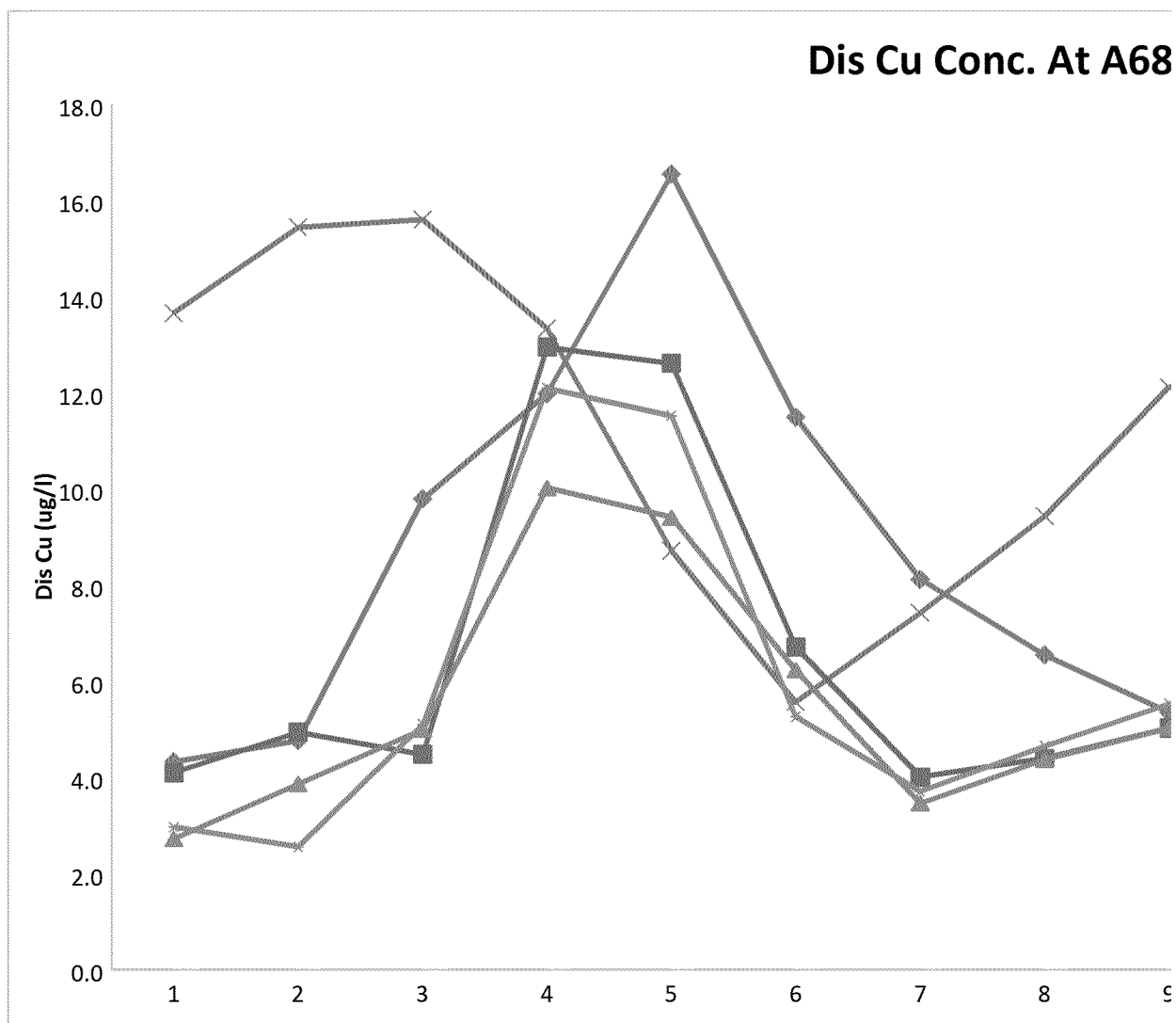
June	July	Aug	Sept	Oct	Nov	Dec
Cu	Cu	Cu	Cu	Cu	Cu	Cu
5.2	3.8	4.1	5.8	3.375	3.9	3.7
5	3.2	4.9	5.2	1.95	3.4	2
5.3		3.8	3.3	3.7	3.2	2.4
			3.32	1.26		
				8.3		
				5.8		

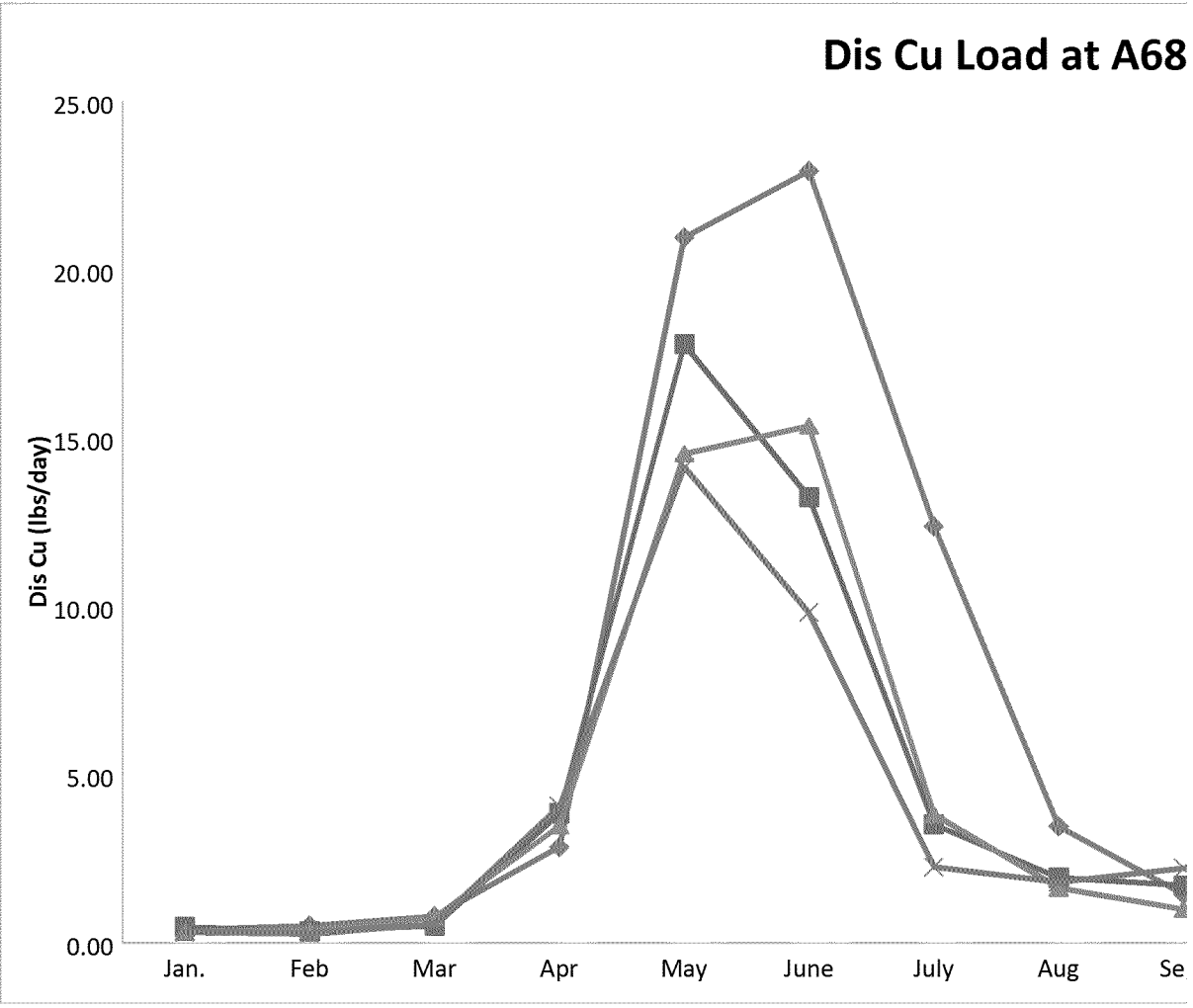
2014

les



	Jan.	Feb	Mar	Apr	May	June	July
Ave. dCu 1991-mid 1996	3.2	3.9	5.2	9.4	12.1	7.6	5.5
85th dCu 1991-mid 1996	4.3	4.8	9.8	12.0	16.6	11.5	8.1
Ave. Hardness 1991-mid 1996	79	141	178	89	76	65	87
Cu TVS 1991-mid 1996	7.3	12.0	14.7	8.1	7.1	6.2	8.0
Ave. monthly flows 1991-mid 1996 (cfs)	23.5	25.0	28.5	56.4	321.9	558.1	419.6
dCu Load 1991-mid 1996 lbs/day	0.40	0.52	0.80	2.86	20.97	22.94	12.39









	Jan.	Feb	Mar	Apr	May	June	July
Ave. dCu 1998-2001	3.3	3.0	3.7	10.5	10.1	5.0	3.0
85th dCu 1998-2001	4.1	4.9	4.5	13.0	12.6	6.7	4.0
Ave. Hardness 1998-2001	181	193	166	207	87	66	71
Cu TVS 1998-2001	14.8	15.7	13.8	16.7	7.9	6.2	6.7
Ave. monthly flows 1998-2001 (cfs)	28	22	26	68	326	492	221
dCu Load 1998-2001 lbs/day	0.48	0.36	0.52	3.86	17.79	13.25	3.53









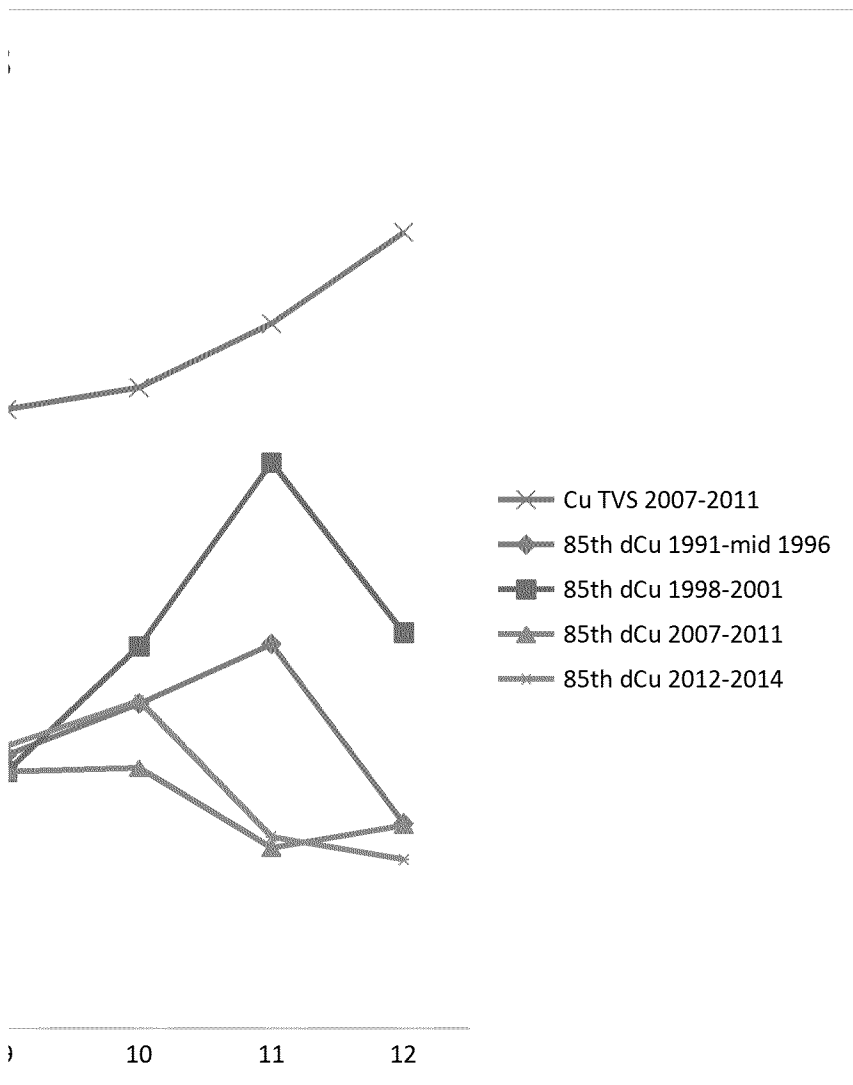
	Jan.	Feb	Mar	Apr	May	June	July
Ave. dCu 2007-2011	2.2	2.9	3.9	7.8	7.6	5.0	3.1
85th dCu 2007-2011	2.7	3.9	5.0	10.0	9.4	6.2	3.5
Ave. Hardness 2007-2011	164	189	192	159	97	57	80
Cu TVS 2007-2011	13.7	15.4	15.6	13.3	8.7	5.6	7.4
Ave. monthly flows 2007-2011 (cfs)	28	25	36	83	356	565	230
dCu Load 2007-2011 lbs/day	0.34	0.40	0.76	3.49	14.54	15.37	3.82

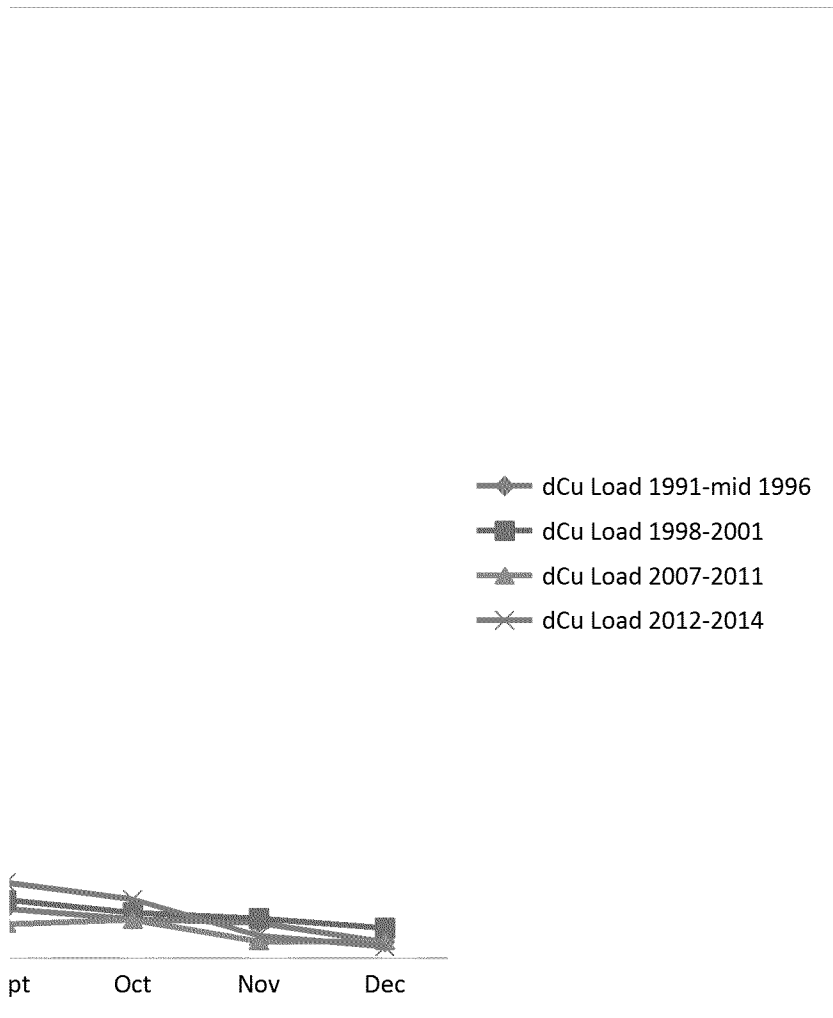


	Jan.	Feb	Mar	Apr	May	June	July
Ave. dCu 2012-2014	2.9	2.5	3.8	8.2	8.4	5.2	3.5
85th dCu 2012-2014	3.0	2.6	5.1	12.1	11.5	5.3	3.7
Ave. Hardness 2012-2014	215	192	182	146	84	61	88
Cu TVS 2012-2014	17.2	15.6	14.9	12.4	7.7	5.8	8.0
Ave. monthly flows 2012-2014 (cfs)	22	21	28	92	313	353	120
dCu Load 2012-2014 lbs/day	0.33	0.27	0.56	4.07	14.13	9.83	2.26



Aug	Sept	Oct	Nov	Dec
4.2	3.5	4.5	5.8	3.5
6.6	5.4	6.4	7.5	4.0
111	107	146	121	194
9.8	9.5	12.4	10.5	15.8
154.3	77.7	48.1	33.5	25.4
3.47	1.45	1.15	1.04	0.48











Aug	Sept	Oct	Nov	Dec
3.1	4.1	4.9	6.5	5.8
4.4	5.0	7.5	11.1	7.8
117	129	146	115	204
10.3	11.1	12.4	10.1	16.4
116	77	50	33	29
1.94	1.71	1.34	1.17	0.89







Aug	Sept	Oct	Nov	Dec
3.2	3.2	4.1	2.9	3.5
4.4	5.0	5.1	3.5	4.0
106	142	148	166	191
9.4	12.1	12.5	13.8	15.6
94	59	51	32	27
1.63	1.01	1.13	0.50	0.50





Aug	Sept	Oct	Nov	Dec
4.3	4.4	4.1	3.5	2.7
4.7	5.5	6.4	3.8	3.3
112	139	149	153	206
9.9	11.8	12.6	12.9	16.6
79	94	79	35	24
1.82	2.22	1.73	0.66	0.35



DATE FE\_TOT

09/05/91	99.00
09/06/91	430.00
09/07/91	710.00
09/09/91	74.00
09/10/91	230.00
02/13/92	161.00
03/05/92	204.00
03/16/92	185.00
04/13/92	1039.00
04/20/92	222.00
04/30/92	294.00
05/05/92	236.00
05/11/92	201.00
05/18/92	235.00
05/26/92	135.00
06/01/92	139.00
06/08/92	119.00
06/15/92	193.00
06/22/92	158.00
06/23/92	43.00
06/24/92	130.00
06/25/92	260.00
07/27/92	134.00
08/10/92	159.00
08/24/92	2394.00
9/15/1992	197
09/16/92	781.00
10/14/92	117.00
10/14/92	46.00
11/18/92	112.00
12/16/92	142.00
01/13/93	255.00
02/17/93	263.00
03/10/93	217.00
03/31/93	551.00
04/14/93	5739.00
04/21/93	6037.00
04/29/93	1916.00
05/04/93	1227.00
05/12/93	2392.00
05/26/93	1037.00

Jan.	Feb	Mar	Apr	May
Fe	Fe	Fe	Fe	Fe
255	161	204	1039	236
142	263	185	222	201
153	236	217	294	235
	224	551	5739	135
		594	6037	1227
		247	1916	2392
		378	542	1037
		300	1282	278
		773	338	286
			217	278
			562	406
			301	678
			1385	818
			740	198
			890	358
				462
				653
				600

COLOR CODE:

1991 1992

All red font are averages of same day sam

06/02/93	865.00
06/09/93	130.00
06/16/93	1147.00
06/23/93	736.00
07/20/93	59.00
07/21/93	167.00
07/21/93	58.00
09/15/93	250.00
10/13/93	112.00
11/17/93	154.00
12/15/93	168.00
01/12/94	142.00
03/30/94	594.00
4/13/1994	542.00
04/20/94	1282.00
04/27/94	338.00
05/11/94	278.00
05/18/94	286.00
5/24/1994	278
06/01/94	431.00
06/15/94	146.00
06/22/94	158.00
07/13/94	104.00
07/20/94	132.00
07/27/94	194.00
08/10/94	118.00
08/24/94	125.00
09/15/94	113.00
10/13/94	129.00
11/09/94	159.00
12/13/94	175.00
01/18/95	153.00
02/15/95	236.00
03/01/95	247.00
3/15/1995	378
4/6/1995	217.00
4/12/1995	774.00
04/12/95	350.00
4/19/1995	301
05/03/95	406.00
5/10/1995	678
5/22/1995	818
05/31/95	198.00
06/07/95	545.00
06/14/95	5120.00
06/21/95	924.00
06/21/95	720.00

06/28/95	571.00
07/05/95	187.00
7/12/1995	1878
07/19/95	251.00
08/02/95	133.00
09/06/95	510.00
9/13/1995	473
10/11/95	158.00
11/15/1995	214
11/29/95	438.00
12/13/1995	178
02/14/96	224.00
03/13/96	300.00
03/20/96	773.00
4/3/1996	1385.00
04/09/96	740.00
04/10/96	890.00
05/01/96	358.00
05/08/96	462.00
05/15/96	653.00
05/21/96	600.00
06/05/96	201.00
06/12/96	101.00
07/10/96	206.00
07/16/96	80.00
07/17/96	115.00
08/07/96	193.00
8/14/1996	90.00
08/21/96	204.00
09/18/96	657.00
10/01/96	98.50
10/16/96	181.00
11/13/1996	149.00
11/19/96	115.40
1/7/1997	160.00
01/08/97	154.69
01/30/97	203.06
02/25/97	450.11
3/5/1997	110.00
03/12/97	496.00
03/19/97	1980.00
03/25/97	521.31
04/02/97	394.00
04/16/97	525.00
04/29/97	239.70
04/30/97	667.00
05/07/97	420.00

05/14/97	1063.08
05/21/97	344.00
05/21/97	191.01
05/28/97	114.00
05/29/97	95.96
06/04/97	1426.00
06/05/97	836.77
6/11/1997	168.00
06/11/97	96.79
06/16/97	264.82
6/18/1997	766.00
6/25/1997	322.00
06/26/97	167.13
07/01/97	85.73
7/2/1997	63.00
07/09/97	230.00
07/15/97	184.85
7/16/1997	252.00
07/30/97	200.41
08/12/97	274.33
8/13/1997	141.00
09/11/97	290.00
9/11/1997	251.00
9/17/1997	423.00
09/25/97	257.18
10/15/1997	206.00
10/22/97	64.82
11/12/97	230.00
11/12/1997	270.00
11/25/97	72.41
12/17/1997	301.00
12/23/97	293.23

01/07/98	240.00
02/12/98	628.85
3/4/1998	227.00
03/05/98	240.00
03/16/98	208.65
3/18/1998	262.00
4/1/1998	308.00
4/15/1998	288.00
04/23/98	751.92
4/29/1998	439.00
5/5/1998	317.00
05/06/98	236.76
05/07/98	250.00
5/13/1998	192.00
5/20/1998	309.00

Jan.	Feb	Mar	Apr	May
Fe	Fe	Fe	Fe	Fe
240	629	227	308	317
150	238	240	288	237
180	340	209	752	250
180		262	439	192
		220	423	309
		368	317	224
		160		499
		261		190
		370		320
				1000

5/27/1998	224.00
05/29/98	499.19
06/02/98	770.33
6/3/1998	504.00
06/09/98	97.88
6/10/1998	504
6/17/1998	216.00
6/17/1998	160
6/24/1998	268.00
06/24/98	60.89
07/01/98	160.00
07/09/98	56.69
7/15/1998	124.00
7/22/1998	194.00
07/22/98	124.76
8/26/1998	127.00
9/2/1998	133.00
09/09/98	200.00
9/16/1998	123.00
09/30/98	108.85
11/03/98	110.00
11/18/1998	196.00
01/06/99	150.00
01/06/99	150.00
2/24/1999	238.00
03/03/99	220.00
3/17/1999	368.00
4/1/1999	423.00
4/26/1999	317.00
05/06/99	190.00
6/23/1999	512.30
8/4/99	170.00
8/4/1999	170.00
9/1/99	130.00
9/16/1999	206.00
10/14/1999	1370.00
11/3/99	140.00
11/17/1999	255.00
1/5/00	180.00
2/28/2000	340.00
3/1/00	160.00
3/15/2000	261.00
5/3/00	320.00
7/5/00	210.00
9/6/00	420.00
11/1/00	360.00
1/3/01	180.00

**COLOR CODE:**

1998

1999

All red font are averages of same day sam

3/14/01	370.00
5/2/01	1000.00
7/6/01	<100

1/2/02	310.00
3/6/02	490.00
6/5/02	30.00
6/27/2002	105.00
7/3/02	<50
7/17/2002	75.00
8/14/2002	67.00
9/4/02	54.00
9/18/2002	67.00
10/25/2002	73.00
11/6/02	111.00
11/12/2002	180.00
12/8/2002	219.00
1/8/2003	277.00
1/9/2003	192.00
2/1/2003	190.00
3/9/2003	267.00
4/24/2003	225.00
5/7/2003	127.00
5/7/2003	172.50
6/2/2003	446
7/2/2003	44.00
7/2/2003	80.80
8/14/2003	1232.00
9/11/2003	224.00
9/11/03	220.00
10/4/2003	99.00
11/6/03	252.00
12/29/2003	275.00
3/3/2004	219.00
3/3/04	287.00
4/16/2004	340.00
5/5/2004	383.00
5/5/04	470.00
5/28/2004	335.00
6/17/2004	129.00

7/7/2004	88
7/7/04	70.00
8/19/2004	179.00
9/1/04	150.00
9/15/2004	144

10/14/2004	88.00
11/10/04	129.00
11/10/04	200.00



12/08/04	176.00
01/20/05	152.91
02/15/05	360.24
03/02/2005	340
03/13/05	292.79
04/09/05	362.17
05/04/05	217.91
05/04/2005	240
6/9/2005	229
7/6/2005	74
07/06/2005	90
8/10/05	111
9/14/05	112
09/15/2005	110
10/13/05	105
11/2/05	107
11/2/2005	150
12/20/05	188
1/6/06	149
01/06/2006	180
2/8/06	221
3/15/06	145
03/15/2006	260
4/5/06	313
5/10/06	113
05/10/2006	180
05/16/2006	
6/6/06	222
7/12/06	75
07/12/2006	80
8/2/06	155
9/6/06	200
09/06/2006	110
10/11/06	118
11/1/06	112
11/01/2006	150
12/5/06	190

1/11/07	165
2/6/07	245
3/7/07	146
03/07/2007	310
4/2/07	232
05/11/2007	270
5/11/2007	162
6/5/2007	322
6/14/07	<100
07/11/2007	70

Jan.	Feb	Mar	Apr	May
Trec Fe	Trec Fe	Trec Fe	Trec Fe	Trec Fe
165	245	228	232	216
190	293	270	264	286
71	252	227	452	2218
		385	225	1100
		235	222	128
		218	280	240
		208		482

7/11/2007	94
8/6/2007	657
09/05/2007	160
9/5/2007	161
10/25/2007	132
11/07/2007	170
12/5/2007	226
01/02/08	190.00
03/12/08	270.00
4/10/2008	264
05/07/08	330.00
5/7/2008	242
6/3/2008	931
07/09/08	80.00
7/9/2008	64
8/5/2008	114
09/03/08	140
9/3/2008	117
10/6/2008	180
11/07/08	300.00
11/7/2008	112
12/3/2008	225
3/4/2009	240
3/4/2009	214
4/6/2009	452
5/13/2009	2570
5/13/2009	1865
05/19/09	1100
6/2/2009	88
06/16/09	<100
7/8/2009	88
7/8/2009	90
07/14/09	<100
8/12/2009	108
08/18/09	115
9/16/2009	250
9/16/2009	108
09/22/09	151
10/5/2009	181
11/4/2009	150.00
11/5/2009	323
11/17/09	234
12/1/2009	292
2/17/2010	293
3/2/2010	385
03/17/10	235
4/13/2010	225

**COLOR CODE:**

2007

2008

All red font are averages of same day sam

4/16/2010	222
5/5/2010	120.00
5/5/2010	135
6/2/2010	376
6/2/2010	338
7/8/2010	90.00
7/8/2010	93
7/13/2010	<100
8/10/2010	145
9/9/2010	140.00
9/9/2010	134
9/14/2010	129
10/4/2010	135
11/2/2010	169
11/3/2010	150.00
11/3/2010	135
12/7/2010	174
1/5/2011	52
1/5/2011	90.00
2/11/2011	252
3/9/2011	86
3/9/2011	350
03/15/11	208
4/6/2011	280
5/4/2011	240
5/8/2011	482
6/3/2011	386
06/14/11	544
7/5/2011	126
07/19/11	189
8/1/2011	86
08/16/11	116
9/7/2011	110
9/7/2011	120
09/13/11	158
10/7/2011	183
10/18/11	169
11/2/2011	184
11/2/2011	210
12/7/2011	402
1/5/2012	336
2/9/2012	317
3/7/2012	277
4/3/2012	128
5/2/2012	76
5/15/2012	111

Jan.	Feb	Mar	Apr	May
Trec Fe	Trec Fe	Trec Fe	Trec Fe	Trec Fe
336	317	277	128	76
200	377	257	274	111
353		492	410	157
		543	441	437

6/2/2012	115
8/6/2012	74
9/4/2012	115
10/1/2012	
10/1/2012	
10/2/2012	
10/3/2012	122
10/3/2012	
10/4/2012	
11/7/2012	160
12/10/2012	167
1/7/2013	200
3/11/2013	257
4/10/2013	274
5/7/2013	157
5/14/2013	437
6/5/2013	85
7/7/2013	104
8/4/2013	203
9/10/2013	377
10/2/2013	125
11/8/2013	243
12/13/2013	188
1/8/2014	353
2/7/2014	377
3/5/2014	492
3/21/2014	543
3/22/2014	392
3/25/2014	507
3/26/2014	408
4/4/2014	410
4/5/2014	441
4/9/2014	1087
4/10/2014	464
4/10/2014	331
4/16/2014	334
4/17/2014	375
4/18/2014	274
4/25/2014	270
4/26/2014	279
5/1/2014	250
5/5/2014	536
5/13/2014	
5/21/2014	
5/28/2014	
6/6/2014	651
6/6/2014	

392	1087	250
507		536
408	334	
	375	
	274	
	270	
	279	

**COLOR CODE:**

2012

2013

All red font are averages of same day sam

6/13/2014	
6/23/2014	
7/1/2014	118
7/2/2014	
7/12/2014	
7/20/2014	
7/25/2014	
8/1/2014	307
9/5/2014	163
9/24/2014	
10/2/2014	
11/7/2014	
12/5/2014	

No Date

June	July	Aug	Sept	Oct	Nov	Dec
Fe	Fe	Fe	Fe	Fe	Fe	Fe
139	134	159	99	82	112	142
119	59	2394	430	112	154	168
193	113	118	710	129	159	175
158	104	125	74	158	214	178
43	132	133	230		438	
130	194		197			
260	187		781			
865	1878		250			
130	251		113			
1147			510			
736			473			
431						
146						
158						
545						
5120						
822						
571						
201						
101						

1993	1994	1995	1996
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June	July	Aug	Sept	Oct	Nov	Dec
Fe	Fe	Fe	Fe	Fe	Fe	Fe
770	160	127	133	1370	110	
504	57	170	200		196	
98	124		123		140	
504	159		109		255	
188	210		130		360	
164	50		206			
512			420			

2000

2001



June	July	Aug	Sept	Oct	Nov	Dec
Trec Fe	Trec Fe	Trec Fe	Trec Fe	Trec Fe	Trec Fe	Trec Fe
322	82	657	161	132	170	226
50	72	114	129	180	206	225
931	89	108	179	181	150	292
88	50	115	151	135	323	174
50	92	145	137	183	234	402
357	50	86	129	169	169	
386	126	116	115		143	
544	189		158		197	

2009

2010

2011

June	July	Aug	Sept	Oct	Nov	Dec
Trec Fe	Trec Fe	Trec Fe	Trec Fe	Trec Fe	Trec Fe	Trec Fe
115	104	74	115	122	160	167
85	118	203	377	125	243	188
651		307	163	129	166	250

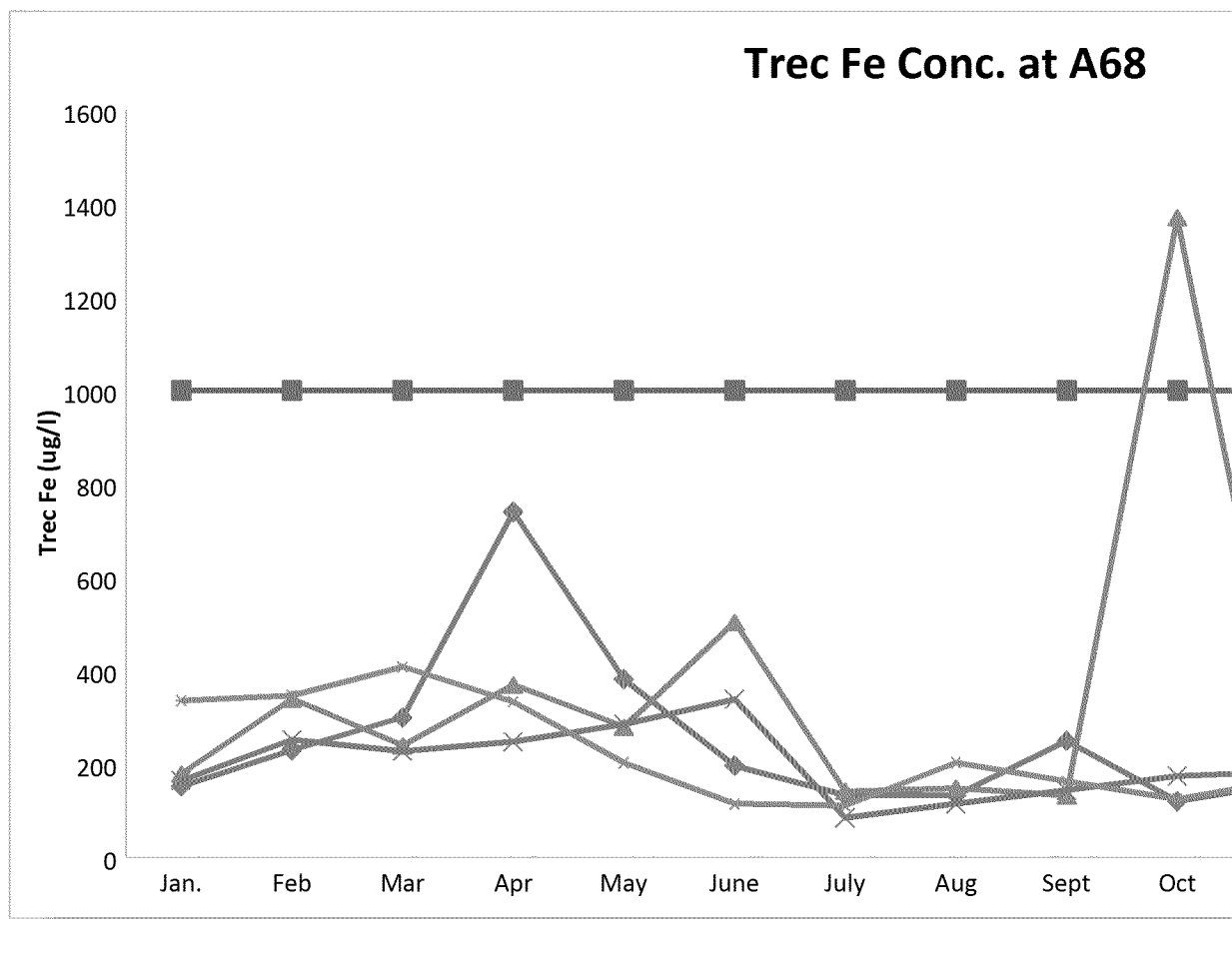
2014



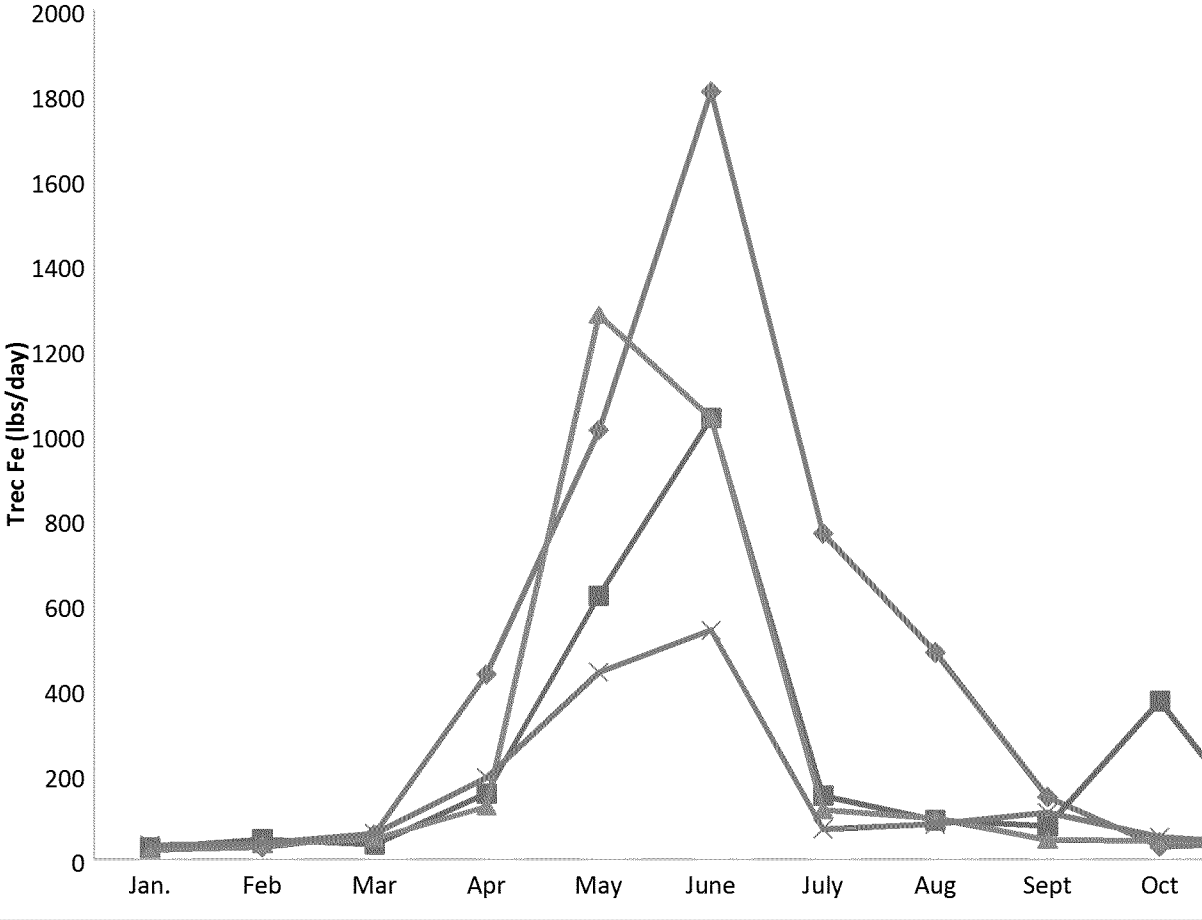




	Jan.	Feb	Mar	Apr	May	June	July
Ave Trec Fe 1991-mid 1996	183	221	383	1434	582	601	339
50th Trec Fe 1991-mid 1996	153	230	300	740	382	197	134
Table Value Std.	1000	1000	1000	1000	1000	1000	1000
Ave. monthly flows 1991-mid 1996 (cfs)	24	25	28	56	322	558	420
Trec Fe Load 1991-mid 1996 lbs/day	23	30	59	436	1010	1808	767



# Trec Fe Load at A68





	Jan.	Feb	Mar	Apr	May	June	July
Ave Trec Fe 1998-2001	188	402	257	421	354	392	127
50th Trec Fe 1998-2001	180	340	240	370	280	504	142
Table Value Std.	1000	1000	1000	1000	1000	1000	1000
Ave. monthly flows 1998-2001 (cfs)	27.6	22.1	25.7	68.5	325.6	492.3	220.6
Trec Fe Load 1998-2001 lbs/day	28	48	36	155	621	1039	151







	Jan.	Feb	Mar	Apr	May	June	July
Ave Trec Fe 2007-2011	142	263	253	279	667	341	94
50th Trec Fe 2007-2011	165	252	228	248	286	340	86
Table Value Std.	1000	1000	1000	1000	1000	1000	1000
Ave. monthly flows 2007-2011 (cfs)	28	25	36	83	356	565	230
Trec Fe Load 2007-2011 lbs/day	22	36	49	125	1282	1039	116



	Jan.	Feb	Mar	Apr	May	June	July
Ave Trec Fe 2012-2014	296	347	411	388	261	284	111
50th Trec Fe 2012-2014	336	347	408	334	204	115	111
Table Value Std.	1000	1000	1000	1000	1000	1000	1000
Ave. monthly flows	22	21	28	92	313	353	120

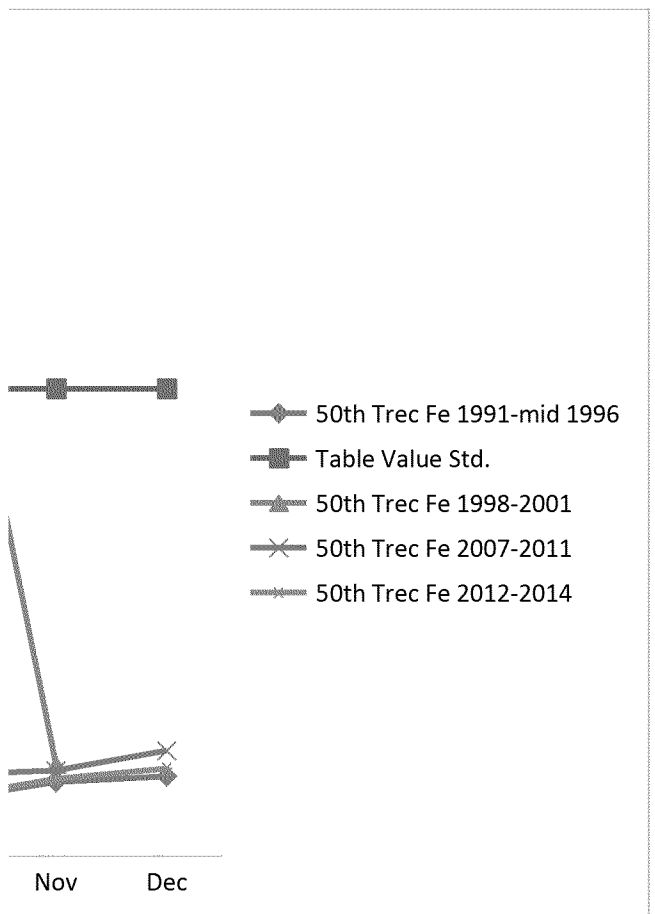
2012-2014 (cfs)

Trec Fe Load 2012-2014 lbs/day	34	39	61	193	441	540	72
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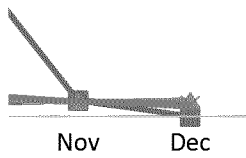




Aug	Sept	Oct	Nov	Dec
586	352	120	215	166
133	250	121	159	172
1000	1000	1000	1000	1000
154	78	48	33	25
487	147	31	39	23



- ◆ Trec Fe Load 1991-mid 1996
- Trec Fe Load 1998-2001
- ▲ Trec Fe Load 2007-2011
- ✕ Trec Fe Load 2012-2014







Aug	Sept	Oct	Nov	Dec
149	189	1370	212	
149	133	1370	196	
1000	1000	1000	1000	1000
115.6	77.3	50.5	33.4	28.7
93	79	373	38	0





Aug	Sept	Oct	Nov	Dec
192	145	163	199	264
115	144	175	184	226
1000	1000	1000	1000	1000
94	59	51	32	27
97	46	45	34	38



Aug	Sept	Oct	Nov	Dec
195	218	125	190	202
203	163	125	166	188
1000	1000	1000	1000	1000
79	94	79	35	24

83

110

53

36

26







DATE	PB_DIS
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09/05/91	<5
09/06/91	<5
09/07/91	5.00
09/09/91	<5
09/10/91	<5
12/08/91	<1
01/15/92	<1
02/13/92	<1
03/05/92	<1
03/16/92	<1
04/13/92	<1
04/20/92	<1
04/30/92	<1
05/05/92	<1
05/11/92	<1
05/18/92	<1
05/26/92	<1
06/01/92	<1
06/08/92	<1
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07/14/92	<1
07/21/92	<1
07/27/92	<1
08/10/92	<1
08/24/92	17.70
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09/16/92	<1
10/14/92	<1
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10/15/92	<5
11/18/92	<1
12/16/92	<1
01/13/93	<1
02/17/93	<1
03/10/93	<1
03/31/93	<1
04/14/93	<1

04/21/93 12.10  
04/29/93 21.00  
05/04/93 <1  
05/12/93 <1  
05/26/93 <1  
06/02/93 <1  
06/09/93 <1  
06/16/93 <1  
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07/28/93 <1  
08/11/93 <1  
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09/15/93 <1  
10/13/93 <1  
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01/12/94 <1  
03/16/94 <1  
03/30/94 5.90  
4/13/1994 8.00  
04/20/94 <1  
04/27/94 1.40  
05/03/94 <1  
05/11/94 <1  
05/18/94 1.20  
5/24/1994 5.4  
06/01/94 1.40  
06/08/94 <1  
06/15/94 <1  
06/22/94 <1  
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10/13/94 <1  
11/09/94 <1  
11/09/94 <.2  
12/13/94 <1  
01/18/95 <1  
02/15/95 <1  
03/01/95 <1

3/15/1995	0
4/6/1995	0.00
4/12/1995	0.00
04/12/95	<.2
4/19/1995	0
05/03/95	<1
5/10/1995	0
5/22/1995	1
05/31/95	<1
06/07/95	1.80
06/14/95	4.60
06/21/95	<1
06/21/95	<.2
06/28/95	7.60
07/05/95	5.50
7/12/1995	0
07/19/95	1.30
08/02/95	<1
08/16/95	1.00
09/06/95	<.2
9/13/1995	0
10/11/95	1.30
11/15/1995	0
11/29/95	<.2
12/13/1995	0
02/14/96	<1
03/13/96	<1
03/20/96	<1
4/3/1996	-9.00
04/09/96	<5
04/10/96	<1
04/17/96	-9.00
05/01/96	1.30
05/08/96	1.70
05/15/96	<1
05/21/96	2.00
05/29/96	1.00
06/05/96	3.70
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08/07/96	<1

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07/09/972.00  
07/15/97<30  
7/16/19970.00

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08/12/97	<30	
8/13/1997	0.00	
8/13/1997	7.00	
09/11/97	<5	
9/11/1997	0.00	
9/17/1997	0.00	
09/25/97	<30	
10/8/1997	<5	
10/15/1997	0.00	
10/22/97	<30	
11/12/97	<5	
11/12/1997	0.00	
11/25/97	<30	
12/3/1997	<5	
12/17/1997	0.00	
12/23/97	<30	
01/07/98	1.00	
2/4/1998	<5	
02/12/98	<30	
3/4/1998	0.00	
03/05/98	<1	
03/16/98	<30	
3/18/1998	0.00	
4/1/1998	0.00	
04/08/98	<5	
4/15/1998	0.00	
04/23/98	<30	
4/29/1998	0.00	
5/5/1998	0.00	
05/06/98	<30	
05/07/98	<1	
5/13/1998	0.00	
5/20/1998	0.00	
5/27/1998	0.00	
05/29/98	<30	
06/02/98	<30	
6/3/1998	0.00	
06/09/98	33.23	
6/10/1998		0
06/10/98	<5	
6/17/1998	0.00	
6/17/1998		1.1
6/24/1998	0.00	
06/24/98	<30	
07/01/98	<1	
07/09/98	<30	

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10/07/98<5  
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04/05/00 <5  
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7/5/00<1



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10/04/00	<5
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12/06/00	<5
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02/07/01	<5
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9/5/01	<1
10/03/01	<5
11/7/01	1.00
12/05/01	<5
1/2/02	<1
3/6/02	<1
04/03/02	<5
05/01/02	<5
6/5/02	<1
6/27/2002	<3
7/3/02	<5
7/17/2002	<3
08/07/02	<5
8/14/2002	<3
9/4/02	<1
9/18/2002	<3
10/02/02	<5
10/25/2002	<3
11/6/02	<1
11/12/2002	<3
12/04/02	<5
12/8/2002	<3
1/8/2003	<3
1/9/2003	<1
2/1/2003	2.40
02/05/03	<5
3/9/2003	<3
4/24/2003	<3
5/7/2003	<3
5/7/2003	<1
6/2/2003	0
7/2/2003	<3
7/2/2003	<1
8/14/2003	<3

9/11/2003	<3
9/11/03	
10/4/2003	<3
11/6/03	<1
12/29/2003	<3
3/3/2004	<3
3/3/04	<1
4/16/2004	<3
5/5/2004	<3
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5/28/2004	3.30
6/17/2004	<3
7/7/2004	<3
7/7/04	<1
8/19/2004	<3
9/1/04	<1
9/15/2004	<3
10/14/2004	<3
11/10/04	<3
11/10/04	1.00
12/08/04	<3
01/20/05	<3
02/15/05	<3
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05/04/05	<3
05/04/2005	<1
6/9/2005	<3
7/6/2005	<3
07/06/2005	<1
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9/15/2005	<1
10/13/05	<3
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11/2/2005	<1
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01/06/2006	<1
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03/15/2006	<1
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05/10/2006 <1	
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03/07/2007 <1	
4/2/07<3	
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05/11/2007 <1	
5/11/2007	4.5
6/5/2007<3	
6/14/07<1	
07/11/2007 <1	
7/11/2007	3.4
8/6/2007<3	
09/05/2007 <5	
9/5/2007<3	
10/25/2007	3.5
<b>10/25/2007</b>	<b>3.5</b>
11/07/2007 <1	
12/5/2007<3	
01/02/08<1	
1/2/2008<3	
03/12/08<1	
4/10/2008<3	
05/07/08<1	
5/7/2008<3	
6/3/2008	4
07/09/08<1	
7/9/2008<3	
8/5/2008	3.3
09/03/08<1	

Includes questionable CDOW data and uses reporting limits up

Jan.	Feb	Mar	Apr	May	June	July
Pb	Pb	Pb	Pb	Pb	Pb	Pb
1.5	1.5	1	1.5	2.5	1.5	1.95
1	0.5	0.5	1.5	1	0.5	1
1	1.5	2.5	3.7	1.0	4	1
		1.5	0.5	1.25	3	0.50
		0.5	1.5	0.5	0.5	2.35
			1.5	1.5	1	0.5
		0.5			1.5	1.5
					0.5	0.5

COLOR CODE:

2007	2008	2009
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All red font results are averages of sam  
Cross-hatched cells include questiona  
Only used RL's below or equal to 3.0.

Does not Included questionable CDOW data and uses r

Jan.	Feb	Mar	Apr	May	June	July
Pb	Pb	Pb	Pb	Pb	Pb	Pb
0.5	0.5	0.5	0.5	0.5	0.5	0.5
0.5		0.5		0.5	0.5	0.5
		1		0.5	0.5	0.5

9/3/2008	4.3
10/6/2008	4.6
11/07/08	1.00
11/7/2008	4.6
12/3/2008	4.7
3/4/2009	<1
3/4/2009	4.6
4/6/2009	3.7
5/13/2009	<1
5/13/2009	3.3
05/19/09	<1.0
6/2/2009	3
06/16/09	<1.0
7/8/2009	<3
7/8/2009	<1
07/14/09	<1.0
8/12/2009	<3
08/18/09	<1.0
9/16/2009	<1
9/16/2009	<3
09/22/09	<1.0
10/5/2009	<3
11/4/2009	<1
11/5/2009	<3
11/17/09	<1.0
12/1/2009	<3
02/17/10	<1.0
3/2/2010	<3
03/17/10	<1.0
4/13/2010	<1.0
4/16/2010	<3
5/5/2010	1.00
5/5/2010	<3
06/02/10	<1.0
6/2/2010	<3
7/8/2010	<1
7/8/2010	4.2
07/13/10	<1.0
8/10/2010	<3
9/9/2010	<1
9/9/2010	<3
09/14/10	<1.0
10/4/2010	<3
11/02/10	<1.0
11/3/2010	2.00
11/3/2010	<3
12/7/2010	<3

0.5
0.5
0.5

1	0.5	0.50
0.5		0.5
		0.5
		0.5

**COLOR CODE:**

2007	2008	2009
------	------	------

All red font results are averages of same day sam  
Only used RL's below or equal to 1.0.

1/5/2011	<3
1/5/2011	<1
2/11/2011	<3
3/9/2011	<3
3/9/2011	<1
03/15/11	<1.0
4/6/2011	<3
5/4/2011	<1
5/8/2011	<3
6/3/2011	<3
06/14/11	<1.0
7/5/2011	<3
07/19/11	<1.0
8/1/2011	<3
08/16/11	<1.0
9/7/2011	<3
9/7/2011	<1
09/13/11	<1.0
10/7/2011	<3
10/18/11	<1.0
11/2/2011	<3
11/2/2011	<1
12/7/2011	<3
1/5/2012	0
2/9/2012	0
3/7/2012	0
4/3/2012	0
5/2/2012	0
5/15/2012	0.614
6/2/2012	0
8/6/2012	0
9/4/2012	0
10/1/2012	0.131
10/1/2012	
10/2/2012	
10/3/2012	0
10/3/2012	0.221
10/4/2012	
11/7/2012	0
12/10/2012	0
1/7/2013	0
3/11/2013	0
4/10/2013	0
5/7/2013	0
5/14/2013	1.34
6/5/2013	0

Jan.	Feb	Mar	Apr	May	June	July
Pb	Pb	Pb	Pb	Pb	Pb	Pb
1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.5	1.5	1.5	1.5	0.614	1.5	3.1
1.5	1.5	1.5	4.3	1.5	2.08	0.498
		4	4.8	1.34	0.657	0.491
		4.3	4.6	4	0.525	0.388
		4.3	4.09	1.1		0.287
		3.9	4.4	0.15		
			3.8	1.04		
			4	0.761		
			3.7			

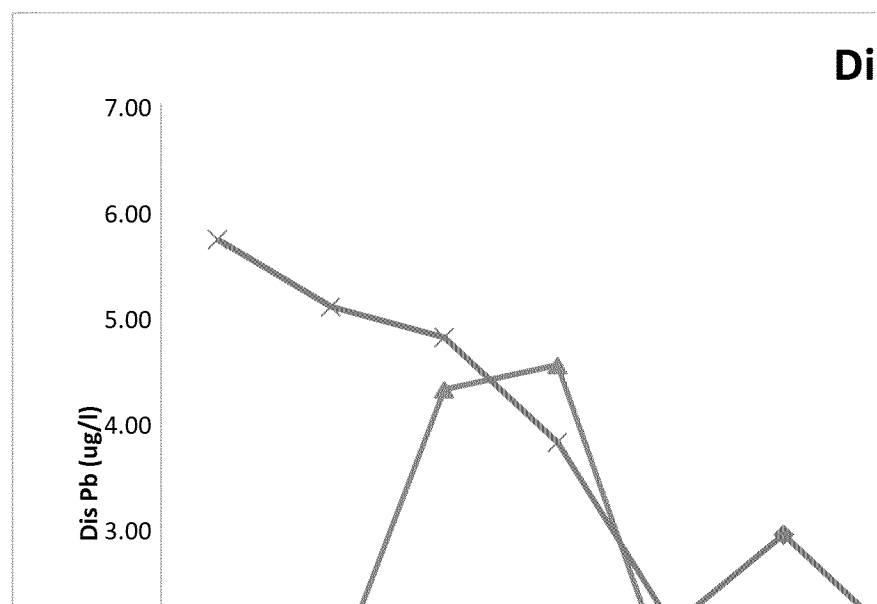
**COLOR CODE:**

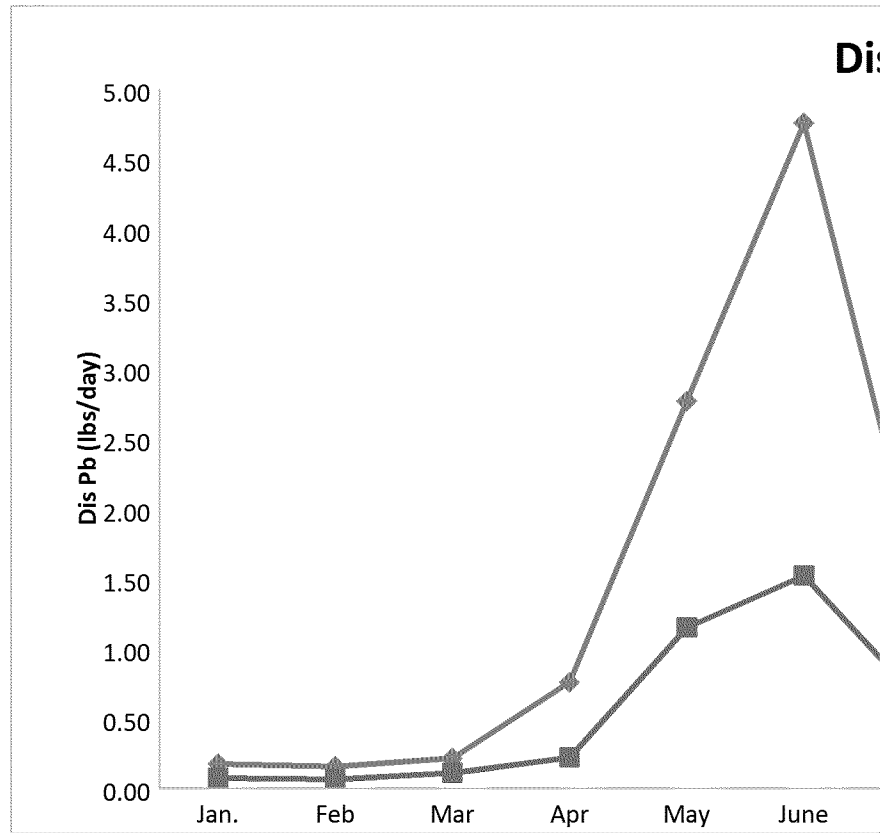
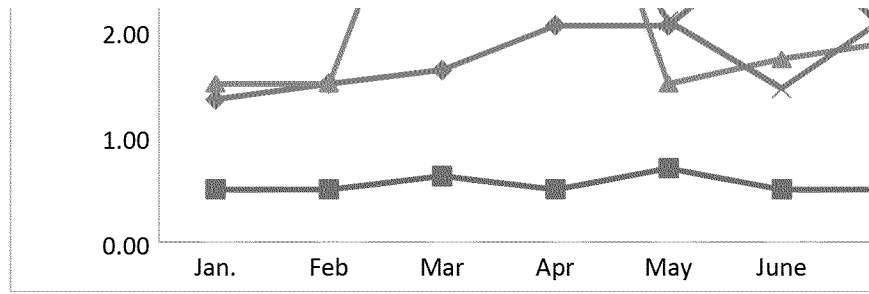
2012	2013	2014
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All red font results are averages of same day sam  
Report limit for DPW is 3.0. Used 1.5 for 0.  
All of EPA's samples were below 1.5.

7/7/2013	0
8/4/2013	0
9/10/2013	0
10/2/2013	0
11/8/2013	0
12/13/2013	0
1/8/2014	0
2/7/2014	0
3/5/2014	0
3/21/2014	4
3/22/2014	4.3
3/25/2014	4.3
3/26/2014	3.9
4/4/2014	4.3
4/5/2014	4.8
4/9/2014	4.6
4/10/2014	4.5
4/10/2014	4.2
4/16/2014	
4/17/2014	4.4
4/18/2014	3.8
4/25/2014	4
4/26/2014	3.7
5/1/2014	4
5/5/2014	1.1
5/13/2014	0.15
5/21/2014	1.04
5/28/2014	0.761
6/6/2014	3
6/6/2014	1.16
6/13/2014	0.657
6/23/2014	0.525
7/1/2014	3.1
7/2/2014	0.498
7/12/2014	0.491
7/20/2014	0.388
7/25/2014	0.287
8/1/2014	3.5
9/5/2014	0
9/24/2014	0.381
10/2/2014	0
11/7/2014	0
12/5/2014	0

	<u>Jan.</u>
85% DPb 2007-2011 with Questionable DOW data	1.35
85% DPb 2007-2011 without Questionable DOW data	0.50
Ave. Hardness 2007-2011	164
Table Value Std. 2007-2011	4.29
Average Pb 2006-2011 with Questionable DOW data	1.17
Average Pb 2006-2011 without Questionable DOW data	0.50
Ave. monthly flows 2007-2011 (cfs)	28
dPb Load 2007-2011 with Questionable DOW data lbs/day	0.18
dPb Load 2007-2011 without Questionable DOW data lbs/day	0.08



















to 3.0 ug/l.

Aug	Sept	Oct	Nov	Dec
Pb	Pb	Pb	Pb	Pb
1.5	1.5	3.5	0.5	1.5
3.3	2.4	4.6	2.8	4.7
1.5	1	1.5	1.5	1.5
1.5	0.50	1.5	0.50	1.5
1.5	1.5	1.5	0.5	1.5
0.5	0.5	0.5	1.75	
	0.5			

	Jan.
<b>Ave DPb 2007-2011</b>	1.17
85% DPb 2007-2011 with Questionable DOW data	1.35
Hardness 2007-2011	164
Pb Standard 2007-2011	4.29

2010	2011
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e day samples

ble CDOW data including reporting limit of <3

eorting limits up to 1.0 ug/l.

Aug	Sept	Oct	Nov	Dec
Pb	Pb	Pb	Pb	Pb
0.5	0.5	3.5	0.5	
	0.5	0.5	1	
	0.50		0.50	

	Jan.
<b>Ave DPb 2007-2011</b>	0.50
85% DPb 2007-2011 without Questionable DOW data	0.50
Hardness 2007-2011	164
Pb Standard 2007-2011	4.29

0.5
0.5
0.5

0.5
2
0.5

2010	2011
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ples



Aug	Sept	Oct	Nov	Dec
Pb	Pb	Pb	Pb	Pb
1.5	1.5	0.131	1.5	1.5
1.5	1.5	0.221	1.5	1.5
3.5	1.5	1.5	1.5	1.5
	0.381	1.5		

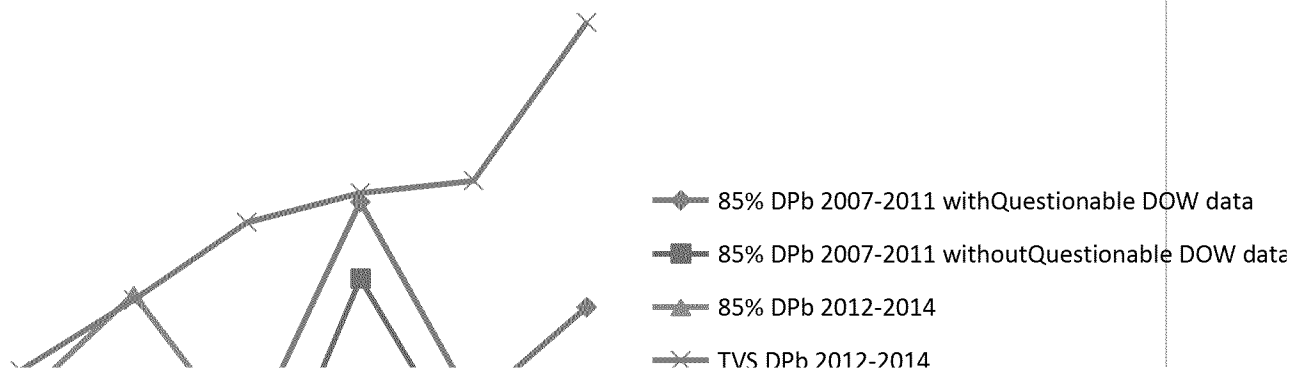
	Jan.
Ave DPb 2012-2014	1.50
85% DPb 2012-2014	1.50
Hardness 2012-2014	215
TVS DPb 2012-2014	5.72

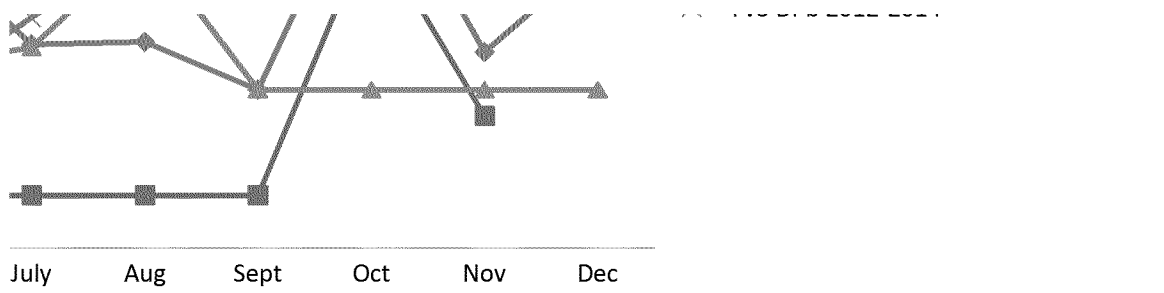
ples



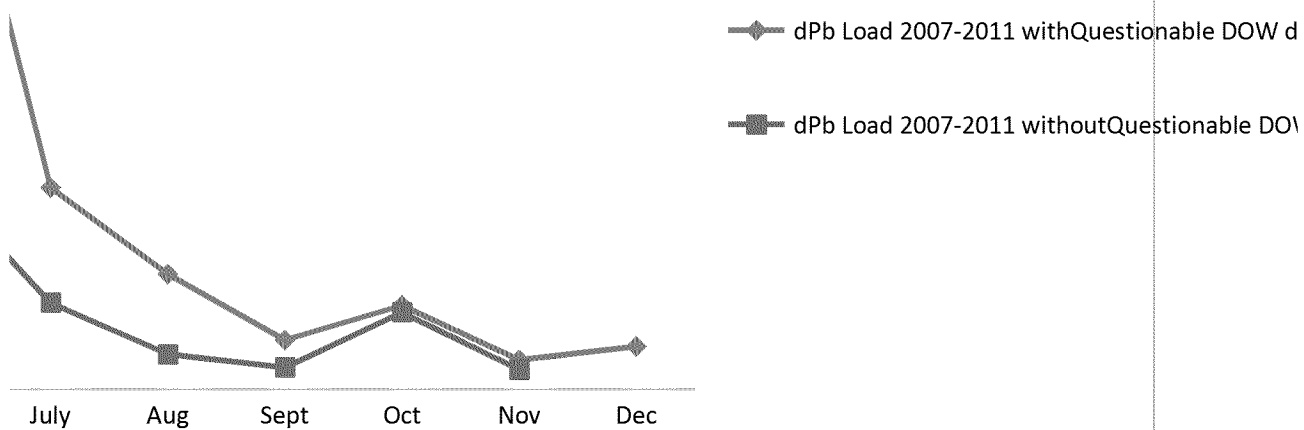
Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov
1.50	1.63	2.05	2.05	2.93	1.93	1.95	1.50	3.78	1.86
0.50	0.63	0.50	0.70	0.50	0.50	0.50	0.50	3.05	1.25
189	192	159	97	57	80	106	142	148	166
5.00	5.07	4.16	2.43	1.37	1.98	2.69	3.69	3.86	4.35
1.17	1.11	1.70	1.44	1.56	1.16	1.63	1.11	2.18	1.22
0.50	0.58	0.50	0.60	0.50	0.50	0.50	0.50	2.00	0.83
25	36	83	356	565	230	94	59	51	32
0.16	0.22	0.76	2.77	4.76	1.44	0.82	0.35	0.60	0.21
0.07	0.11	0.22	1.15	1.52	0.62	0.25	0.16	0.55	0.14

## s Pb Conc. At A68





## s Pb Load at A68

















Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov
1.17	1.11	1.70	1.44	1.56	1.16	1.63	1.11	2.18	1.22
1.50	1.63	2.05	2.05	2.93	1.93	1.95	1.50	3.78	1.86
189	192	159	97	57	80	106	142	148	166
5.00	5.07	4.16	2.43	1.37	1.98	2.69	3.69	3.86	4.35

Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov
0.50	0.58	0.50	0.60	0.50	0.50	0.50	0.50	2.00	0.83
0.50	0.63	0.50	0.70	0.50	0.50	0.50	0.50	3.05	1.25
189	192	159	97	57	80	106	142	148	166
5.00	5.07	4.16	2.43	1.37	1.98	2.69	3.69	3.86	4.35



Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov
1.50	3.00	3.70	1.33	1.25	1.04	2.17	1.22	0.84	1.50
1.50	4.30	4.53	1.50	1.73	1.90	2.90	1.50	1.50	1.50
192	182	146	84	61	88	112	139	149	153
5.08	4.79	3.80	2.09	1.45	2.18	2.85	3.58	3.86	3.98



Dec  
2.78

191  
5.06  
2.14

27

0.31

















Dec

2.14

2.78

191

5.06

Dec

191

5.06





Dec

1.50

1.50

206

5.47



DATE AL\_TOT

Jan. Feb Mar Apr May June July

09/05/91	79.0
09/06/91	270.0
09/07/91	310.0
09/09/91	110.0
09/10/91	180.0
12/08/91	
01/15/92	
02/13/92	
03/05/92	
03/16/92	
04/13/92	
04/20/92	
04/30/92	
05/05/92	
05/11/92	
05/18/92	
05/26/92	
06/01/92	
06/08/92	
06/15/92	
06/22/92	
06/23/92	-9.0
06/24/92	-9.0
06/25/92	-9.0
07/14/92	
07/21/92	
07/27/92	
08/10/92	
08/24/92	
9/15/1992	
09/16/92	
10/14/92	
10/14/92	-9.0
10/15/92	-9.0
11/18/92	
12/16/92	
01/13/93	
02/17/93	
03/10/93	
03/31/93	
04/14/93	

	230.0	500.0	129.0
	300.0		

COLOR CODE:

1991 1992 1993 1994

All red font are averages of same day samples

04/21/93	
04/29/93	
05/04/93	
05/12/93	
05/26/93	
06/02/93	
06/09/93	
06/16/93	
06/23/93	
07/14/93	
07/20/93	-9.0
07/21/93	
07/21/93	-9.0
07/28/93	
08/11/93	
08/25/93	
09/15/93	
10/13/93	
11/17/93	
12/15/93	
01/12/94	
03/16/94	
03/30/94	
4/13/1994	
04/20/94	
04/27/94	
05/03/94	
05/11/94	
05/18/94	
5/24/1994	
06/01/94	
06/08/94	
06/15/94	
06/22/94	
07/13/94	
07/20/94	
07/27/94	
08/10/94	
08/24/94	
09/15/94	
10/13/94	
11/09/94	
11/09/94	77.0
12/13/94	
01/18/95	
02/15/95	
03/01/95	

3/15/1995	
4/6/1995	
4/12/1995	
04/12/95	230.0
4/19/1995	
05/03/95	
5/10/1995	
5/22/1995	
05/31/95	
06/07/95	
06/14/95	
06/21/95	
06/21/95	129.0
06/28/95	
07/05/95	
7/12/1995	
07/19/95	
08/02/95	
08/16/95	
09/06/95	200.0
9/13/1995	
10/11/95	
11/15/1995	
11/29/95	230.0
12/13/1995	
02/14/96	
03/13/96	
03/20/96	
4/3/1996	
04/09/96	300.0
04/10/96	
04/17/96	
05/01/96	
05/08/96	
05/15/96	
05/21/96	500.0
05/29/96	
06/05/96	
06/12/96	
06/18/96	-9.0
06/19/96	
06/26/96	
07/03/96	
07/10/96	
07/16/96	-1.0
07/17/96	
08/07/96	

8/14/1996	-1.0
8/14/1996	-9.0
08/21/96	
09/18/96	
10/01/96	69.0
10/16/96	
10/18/1996	-9.0
10/23/1996	
11/7/1996	-9.0
11/13/1996	
11/19/96	140.5
12/13/1996	-9.0
1/7/1997	200.0
01/08/97	197.0
01/30/97	213.3
2/5/1997	-9.0
02/25/97	162.2
3/5/1997	200.0
03/12/97	
03/19/97	
03/25/97	339.2
04/02/97	
4/11/1997	-9.0
04/16/97	
4/16/1997	
04/29/97	219.5
04/30/97	
05/07/97	300.0
05/14/97	554.9
05/21/97	
05/21/97	130.4
05/28/97	
05/29/97	94.8
06/04/97	
06/05/97	472.6
6/10/1997	-9.0
6/11/1997	
06/11/97	104.8
06/16/97	67.3
6/18/1997	
6/25/1997	
06/26/97	51.5
07/01/97	<40
7/2/1997	
07/09/97	100.0
07/15/97	<40
7/16/1997	

07/30/97 44.8  
 08/12/97 <40  
 8/13/1997  
 8/13/1997 -9.0  
 09/11/97 -1.0  
 9/11/1997  
 9/17/1997  
 09/25/97 124.3  
 10/8/1997 -9.0  
 10/15/1997  
 10/22/97 <40  
 11/12/97 100.0  
 11/12/1997  
 11/25/97 <40  
 12/3/1997 -9.0  
 12/17/1997

12/23/97 114.4  
 01/07/98 -1.0  
 2/4/1998 -9.0  
 02/12/98 147.8  
 3/4/1998  
 03/05/98 -1.0  
 03/16/98 145.3  
 3/18/1998  
 4/1/1998  
 04/08/98  
 4/15/1998  
 04/23/98 374.3  
 4/29/1998  
 5/5/1998  
 05/06/98 163.6  
 05/07/98 180.0  
 5/13/1998  
 5/20/1998  
 5/27/1998  
 05/29/98 344.8  
 06/02/98 538.8  
 6/3/1998  
 06/09/98 108.3  
 6/10/1998  
 06/10/98  
 6/17/1998  
 6/17/1998  
 6/24/1998  
 06/24/98 137.5  
 07/01/98 180.0  
 07/09/98 107.9

Jan.	Feb	Mar	Apr	May	June	July
AI	AI	AI	AI	AI	AI	AI
130	148	145	374	164	539	180
50	194	140		180	108	108
23		120		345	138	95
		138		390	437	90
		10		260		250
				600		

**COLOR CODE:**

1998 1999 2000 2001

All red font are averages of same day samples

7/15/1998	
7/22/1998	
07/22/98	95.4
08/05/98	
8/26/1998	
9/2/1998	160.0
09/09/98	-1.0
9/16/1998	
09/30/98	127.1
10/07/98	
11/03/98	-1.0
11/18/1998	
12/02/98	
01/06/99	130.0
01/06/99	130.0
02/04/99	
02/17/99	0.0
2/24/1999	-9.0
03/03/99	140.0
3/17/1999	-9.0
4/1/1999	-9.0
04/07/99	
4/26/1999	-9.0
04/29/99	0.0
05/06/99	390.0
06/09/99	
6/23/1999	437.0
07/07/99	
8/4/99	180.0
8/4/1999	180.0
08/19/99	
9/1/99	100.0
9/16/1999	172.0
10/06/99	
10/14/1999	418.0
11/3/99	140.0
11/17/1999	166.0
12/01/99	
1/5/00	<100
02/02/00	
2/28/2000	194.0
3/1/00	120.0
3/15/2000	138.0
04/05/00	
5/3/00	260.0
06/07/00	
7/5/00	90.0



08/02/00		
9/6/00	210.0	
10/04/00		
11/1/00	190.0	
12/06/00		
1/3/01	<45	
02/07/01		
3/14/01	<20	
04/04/01		
5/2/01	600.0	
06/06/01		
7/6/01	<500	
08/01/01		
9/5/01	<100	
10/03/01		
11/7/01	<100	
12/05/01		

1/2/02	<500
3/6/02	<100
04/03/02	
05/01/02	
6/5/02	23.0
6/27/2002	81.0
7/3/02	<100
7/17/2002	136.0
08/07/02	
8/14/2002	80.0
9/4/02	70.0
9/18/2002	86.0
10/02/02	
10/25/2002	77.0
11/6/02	101.0
11/12/2002	121.0
12/04/02	
12/8/2002	147.0
1/8/2003	157.0
1/9/2003	108.0
2/1/2003	124.0
02/05/03	
3/9/2003	164.0
4/24/2003	181.0
5/7/2003	104.0
5/7/2003	140.5
6/2/2003	328
7/2/2003	80.0
7/2/2003	59.0
8/14/2003	569.0

9/11/2003	289.0
9/11/03	309.0
10/4/2003	133.0
11/6/03	150.0
12/29/2003	147.0
3/3/2004	128.0
3/3/04	127.0
4/16/2004	404.0
5/5/2004	383.0
5/5/04	381.0
5/28/2004	348.0
6/17/2004	170.0
7/7/2004	120
7/7/04	102.0
8/19/2004	159.0
9/1/04	134.0
9/15/2004	132
10/14/2004	120.0
11/10/04	115.0
11/10/04	119.0
12/08/04	117.0
01/20/05	123.1
02/15/05	278.2
03/02/2005	220
03/13/05	298.6
04/09/05	356.4
05/04/05	283.7
05/04/2005	306
6/9/2005	252
7/6/2005	133
07/06/2005	144
8/10/05	108
<b>9/14/05</b>	<b>95</b>
9/14/05	95
9/15/2005	110
10/13/05	184
11/2/05	113
11/2/2005	126
12/20/05	135
1/6/06	131
01/06/2006	137
2/8/06	213
<b>3/7/06</b>	<b>213</b>
3/15/06	162
03/15/2006	173
<b>4/5/06</b>	<b>162</b>
4/5/06	317

5/10/06 145  
 05/10/2006 160  
 05/16/2006  
**6/6/06 317**  
 6/6/06 272  
 7/12/06 142  
 07/12/2006 141  
**8/2/06 272**  
 8/2/06 161  
**9/6/06 142**  
 9/6/06 27  
 09/06/2006 109  
 10/11/06 194  
 11/1/06 133  
 11/01/2006 166  
 12/5/06 119

1/11/07 130  
 2/6/07 170  
 3/7/07 126  
 03/07/2007 137  
 4/2/07 200  
**4/2/2007 200**  
 05/11/2007 246  
 5/11/2007 202  
 6/5/2007 339  
 6/14/07 160  
 07/11/2007 105  
 7/11/2007 131  
 8/6/2007 650  
 09/05/2007 100  
 9/5/2007 141  
 10/25/2007 152  
**10/25/2007 152**  
 11/07/2007 108  
 12/5/2007 132  
 01/02/08 97.0  
 1/2/2008 20  
 03/12/08 273.0  
 4/10/2008 530  
 05/07/08 301.0  
 5/7/2008 260  
 6/3/2008 1119  
 07/09/08 146.0  
 7/9/2008 126  
 8/5/2008 116  
 09/03/08 102  
 9/3/2008 100

Jan.	Feb	Mar	Apr	May	June	July
Trec Al	Trec Al	Trec Al	Trec Al	Trec Al	Trec Al	Trec Al
130	170	131.5	200	224	339	118
58.5	269	273.0	530	280.5	160	136.0
75	176	234	341	1542.5	1119	85.5
		196	368	1010	145	117
		177	317	149.5	165	66.5
		186.5	454	308	350.5	50.0
		275		447	299	140
					540	217

**COLOR CODE:**

2007	2008	2009
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All red font are averages of same day samples

10/6/2008	119
11/07/08	138.0
11/7/2008	80
12/3/2008	128
3/4/2009	243
3/4/2009	225
4/6/2009	341
5/13/2009	1630
5/13/2009	1455
05/19/09	1010
6/2/2009	145
06/16/09	165
7/8/2009	96
7/8/2009	75
07/14/09	117
8/12/2009	68
08/18/09	120
9/16/2009	181
9/16/2009	87
09/22/09	134
10/5/2009	124
11/4/2009	120.0
11/5/2009	181
11/17/09	189
12/1/2009	140
2/17/2010	269
3/2/2010	196
3/17/2010	177
4/13/2010	368
4/16/2010	317
5/5/2010	140.0
5/5/2010	159
6/2/2010	348
6/2/2010	353
7/8/2010	60.0
7/8/2010	73
7/13/2010	<100
8/10/2010	158
9/9/2010	90.0
9/9/2010	88
9/14/2010	124
10/4/2010	78
11/2/2010	101
11/3/2010	80.0
11/3/2010	79
12/7/2010	115
1/5/2011	75

1/5/2011	9.0
2/11/2011	176
3/9/2011	93
3/9/2011	280
03/15/11	275
4/6/2011	454
5/4/2011	308
5/8/2011	447
6/3/2011	299
06/14/11	540
7/5/2011	140
07/19/11	217
8/1/2011	76
08/16/11	<100
9/7/2011	52
9/7/2011	72
09/13/11	<100
10/7/2011	107
10/18/11	<100
11/2/2011	96
11/2/2011	96
12/7/2011	161
1/5/2012	146
2/9/2012	145
3/7/2012	143
4/3/2012	95
5/2/2012	90
5/15/2012	154
6/2/2012	180
8/6/2012	56
9/4/2012	67
10/1/2012	
10/1/2012	
10/2/2012	
10/3/2012	70
10/3/2012	
10/4/2012	
11/7/2012	91
12/10/2012	104
1/7/2013	155
3/11/2013	181
4/10/2013	262
5/7/2013	211
5/14/2013	534
6/5/2013	133
7/7/2013	75

Jan.	Feb	Mar	Apr	May	June	July
Trec Al	Trec Al	Trec Al	Trec Al	Trec Al	Trec Al	Trec Al
146	145	143	95	90	180	75
155	194	181	262	154	133	204
186		304	607	211	210	135
		627	639	534	348	138
		552	1122	287	149	89.9
		745	508			95.7
		609	438	219		
			601	744		
			410	1350		
			335			
			379			

**COLOR CODE:**

2012

2013

2014

All red font are averages of same day samples

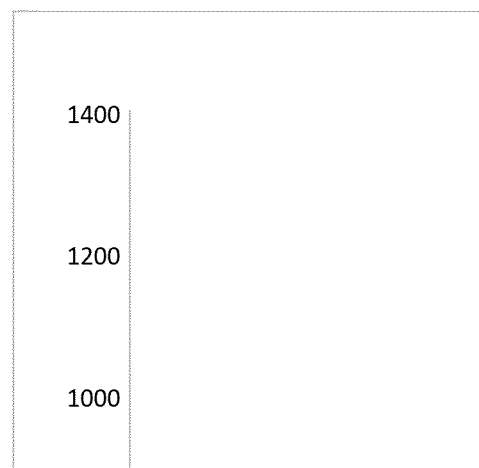
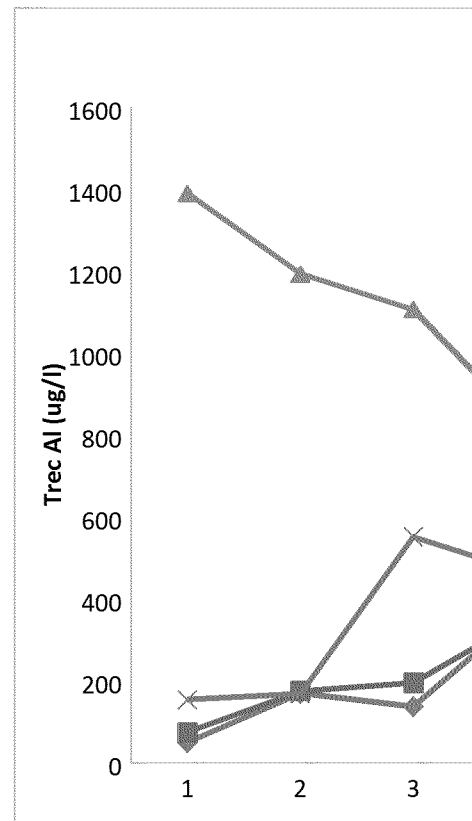
8/4/2013	309
9/10/2013	332
10/2/2013	263
11/8/2013	148
12/13/2013	111
1/8/2014	186
2/7/2014	194
3/5/2014	304
3/21/2014	627
3/22/2014	552
3/25/2014	745
3/26/2014	609
4/4/2014	607
4/5/2014	639
4/9/2014	1122
4/10/2014	545
4/10/2014	384
4/16/2014	438
4/17/2014	601
4/18/2014	410
4/25/2014	335
4/26/2014	379
5/1/2014	287
5/5/2014	508
5/13/2014	219
5/21/2014	744
5/28/2014	1350
6/6/2014	644
6/6/2014	776
6/13/2014	348
6/23/2014	149
7/1/2014	204
7/2/2014	135
7/12/2014	138
7/20/2014	89.9
7/25/2014	95.7
8/1/2014	459
9/5/2014	120
9/24/2014	164
10/2/2014	316
11/7/2014	125
12/5/2014	140

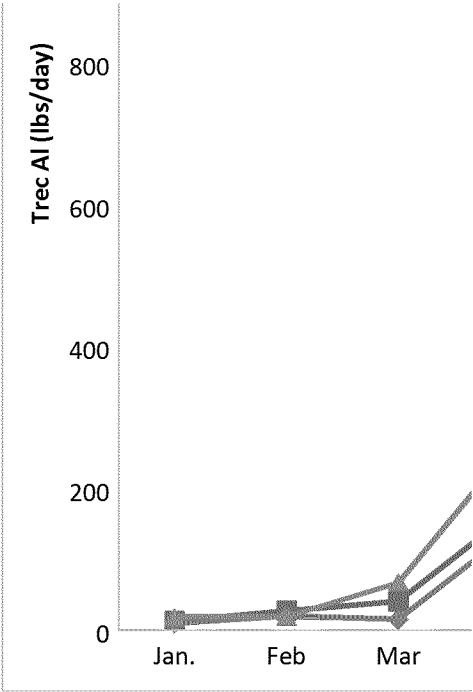
Aug      Sept      Oct      Nov      Dec

79.0  
270.0  
310.0  
110.0  
180.0  
200.0

77.0  
230.0

1995      1996











Aug	Sept	Oct	Nov	Dec
Al	Al	Al	Al	Al
180	160	418	140	
	127		166	
	100		190	
	172			
	210			

	Jan.
50th Trec Al 1998-2001	50
Ave. Trec Al 1998-2001	68
Hardness 1998-2001	181
Trec Al Std 1998-2001	1098
Ave. monthly flows 1998-2001 (cfs)	27.6
Trec Al Load 1998-2001 lbs/day	10







Aug	Sept	Oct	Nov	Dec
Trec Al	Trec Al	Trec Al	Trec Al	Trec Al
650	120.5	152	108	132
116	101.0	119	109.0	128
68	134	124	120	140
120	134	78	181	115
158	89.0	107	189	161
76	124	50	101	
50	62		79.5	
	50		86	

2010	2011
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	Jan.
50th Trec Al 2007-2011	75
Ave. Trec Al 2007-2011	88
Hardness 2007-2011	164
Trec Al Std 2007-2011	961
Ave. monthly flows 2007-2011 (cfs)	28.3
Trec Al Load 2007-2011 lbs/day	13



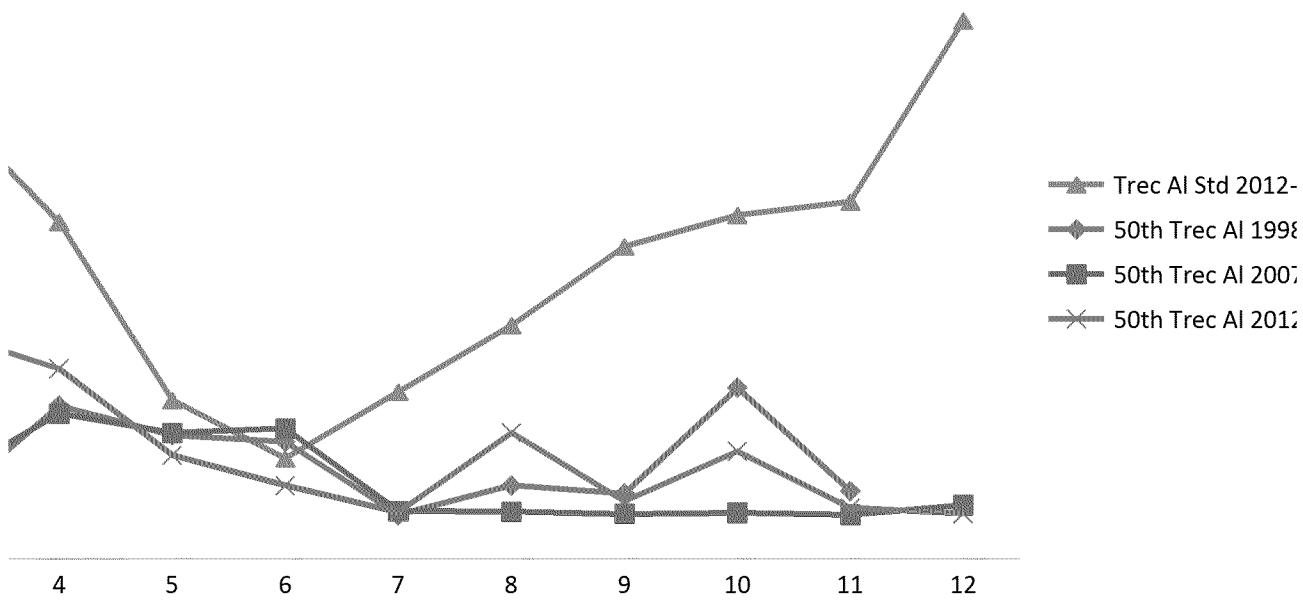


Aug	Sept	Oct	Nov	Dec
Trec AI	Trec AI	Trec AI	Trec AI	Trec AI
56	67	70	91	104
309	332	263	148	111
459	120	316	125	140
	164			

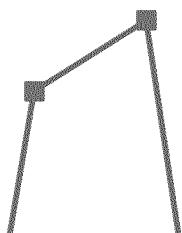
	Jan.
50th Trec AI 2012-2014	155
Ave. Trec AI 2012-2014	162
Hardness 2012-2014	215
Trec AI Std 2012-2014	1390
Ave. monthly flows 2012-2014 (cfs)	21.5
Trec AI Load 2012-2014 lbs/day	19

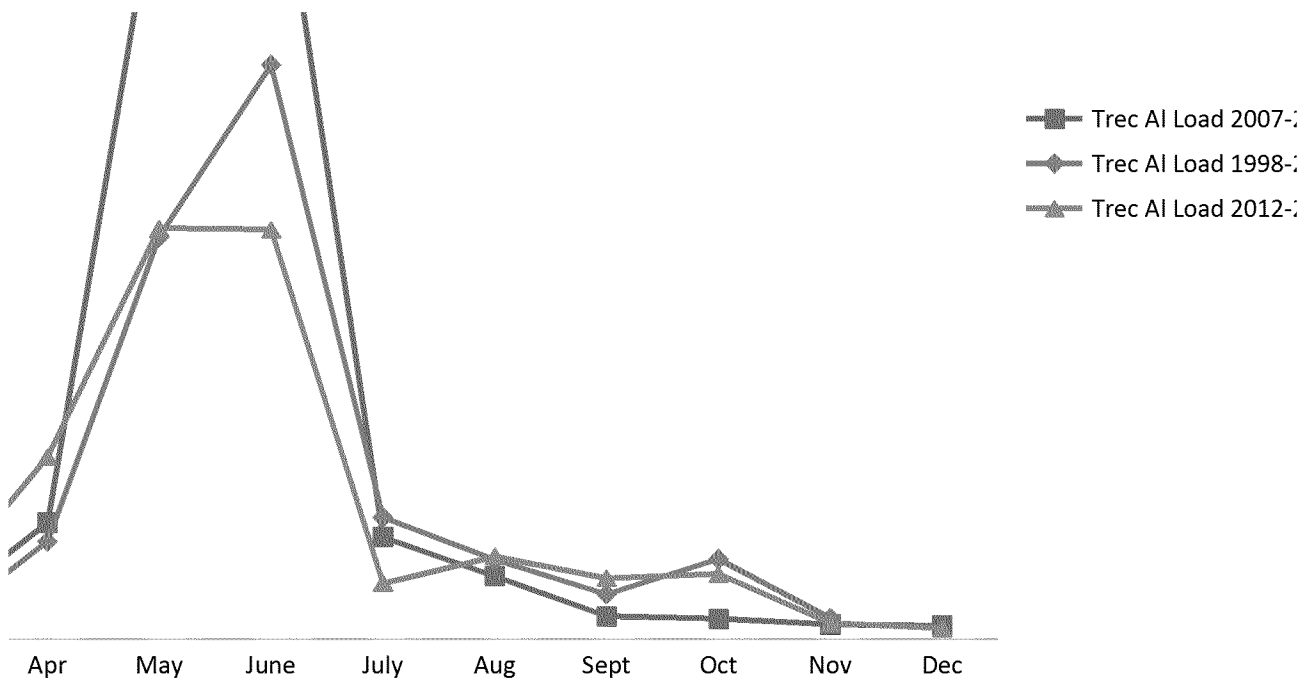


Trec Al Conc. At A68



Trec Al Load at A68









Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov
171	138	374	302	287	108	180	160	418	166
171	111	374	323	305	145	180	154	418	165
193	166	207	87	66	71	117	129	146	115
87	978	87	87	87	87	87	690	823	593
22.1	25.7	68.5	325.6	492.3	220.6	115.6	77.3	50.5	33.4
20	15	138	567	811	172	112	64	114	30









Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov
176	196	355	308	319	118	116	111	113	109
205	210	368	566	390	116	177	102	105	123
189	192	159	97	57	80	106	142	148	166
1170	1190	925	468	228	362	531	793	838	976
25.2	36.1	82.9	356.4	565.1	230.0	93.7	59.0	51.2	31.9
28	41	165	1087	1187	144	89	32	29	21



Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov
170	552	465	253	180	115	309	142	263	125
170	452	518	343	304	123	275	171	216	121
192	182	146	84	61	88	112	139	149	153
1193	1106	822	387	246	408	570	763	839	872
20.7	27.7	92.1	313.1	352.8	119.7	79.1	93.7	78.9	34.9
19	68	257	580	578	79	117	86	92	23



2014  
3-2001  
7-2011  
2-2014

2011

2001

2014







Dec

204

87







Dec

132

135

191

1186

26.8

19





Dec

111

118

206

1314

24.0

15

